



Columbia University
in the City of New York

CATALOGUE

AND

GENERAL ANNOUNCEMENT

1905-1906

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College of Physicians and Surgeons -



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1. Speyer School

2. Alpha Chi Rho Club Rooms

3. Alpha Tau Omega Club Rooms

4. Zeta Psi

5. Jewish Theological Seminary

6. Grant's Mausoleum

7. Delta Upsilon Club House

8. Sigma Alpha Epsilon Club House

9. Theta Xi

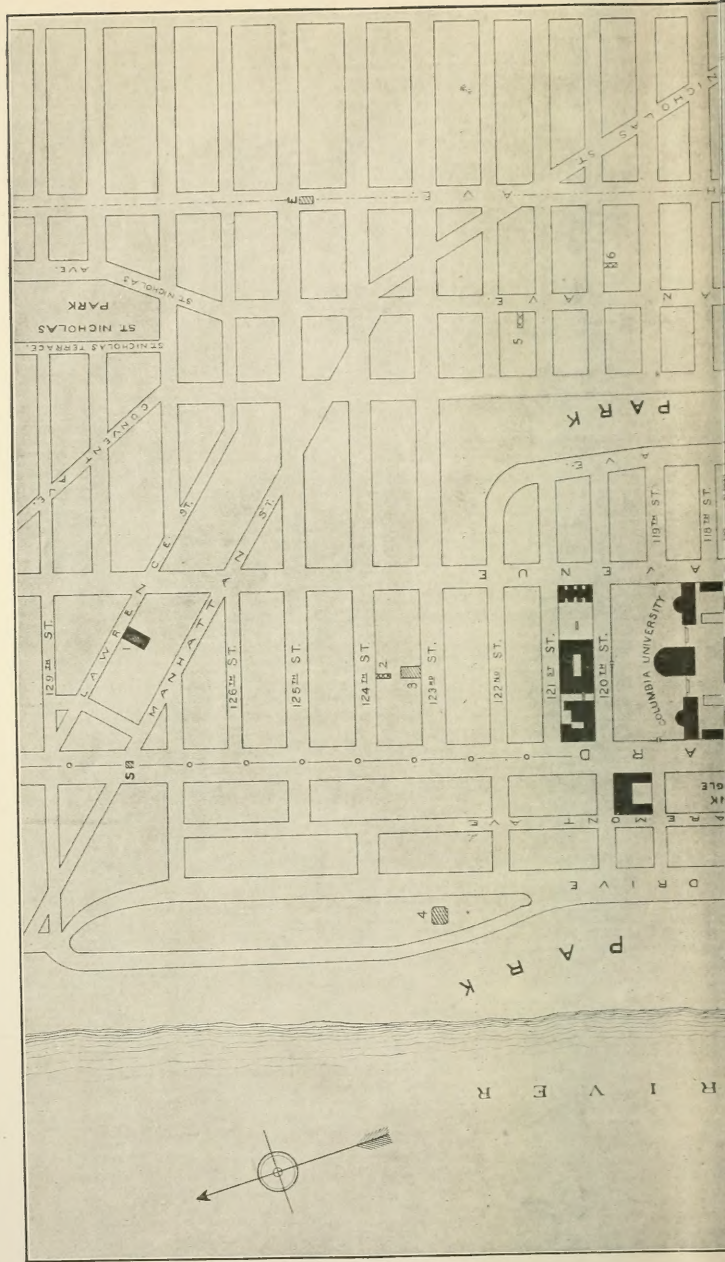
10. Delta Psi

11. Phi Kappa Psi

12. Phi Delta Theta

13. Football

14. Delta Tau Delta





A detailed plan of the Columbia University buildings and grounds will be found in this volume facing page 191.

MAP OF NEW YORK In the Vicinity of COLUMBIA UNIVERSITY.

- COLUMBIA UNIVERSITY BUILDINGS.
- PROPOSED UNIVERSITY BUILDINGS.
- ▨ OTHER PUBLIC INSTITUTIONS.
- S SUBWAY STATIONS. —+—+—
- E ELEVATED RAILWAY STATIONS. —+—+—
- ▤ STUDENTS' CLUB HOUSES.



- 14 Delta Psi
- 15 Psi Upsilon
- 16 Beta Theta Pi
- 17 Wadleigh High School
- 8 Phi Gamma Delta Club House
- 19 St. Luke's Home
- 20 Corn Exchange Bank (University Branch)
- 21 St. Luke's Hospital
- 22 Psi Sigma Kappa Club House
- 23 Alpha Delta Phi
- 24 Delta Kappa Epsilon Club House
- 25 Phi Kappa Sigma
- 26 City Water Works.
- 27 Home for Destitute and Aged Couples
- 28 Crypt of the Cathedral of St. John the Divine
- 29 National Academy of Design
- 30 Woman's Hospital
- 31 Public School No. 165



Columbia University
in the City of New York

CATALOGUE

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- WILLIAM H. BURR.....Professor of Civil Engineering
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- GEORGE RICE CARPENTER.....Professor of Rhetoric and English
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A.B., Harvard, 1882; A.M. and Ph.D., 1886.
- JAMES HARVEY ROBINSON.....Professor of History
A.B., Harvard, 1887; A.M., 1888; Ph.D., Freiburg, 1890.
- FREDERIC S. LEE.....Professor of Physiology
A.B., St. Lawrence, 1878; A.M., 1881; Ph.D., Johns Hopkins, 1885.
- JAMES CHIDESTER EGBERT.....Professor of Roman Archæ-
ology and Epigraphy
A.B., Columbia, 1881; A.M., 1882; Ph.D., 1884.
- ¹ CALVIN THOMAS...Gebhard Professor of the Germanic Languages and
Literatures
A.B., Michigan, 1874; A.M., 1877; LL.D., 1904.
- EDWIN B. CRAGIN.....Professor of Obstetrics and Gynecology
A.B., Yale, 1882; M.D., Columbia, 1886.
- CARLO LEONARDO SPERANZA.....Professor of Italian
Licenziato del Liceo di Padova, 1861; A.M., Columbia, 1887.
- BASHFORD DEAN.....Professor of Vertebrate Zoölogy
A.B., College of the City of New York, 1886; A.M., Columbia, 1889; Ph.D., 1890.
- LUCIEN MARCUS UNDERWOOD.....Torrey Professor of Botany
Ph.B., Syracuse, 1877; Ph.M., 1878; Ph.D., 1879.
- WILLIAM MILLIGAN SLOANE.....Seth Low Professor of History
A.B., Columbia, 1868; L.H.D., 1887; A.M. and Ph.D., Leipzig, 1876; LL.D.
Princeton, 1903.
- HENRY MARION HOWE.....Professor of Metallurgy
B.S., Harvard, 1860; A.M., 1872; LL.D., 1905; B.S., Mass. Institute of
Technology, 1871; LL.D., Lehigh, 1905; LL.D., Harvard, 1905.
- CHARLES E. PELLEW.....Adjunct Professor of Chemistry
E.M., Columbia, 1884.
- EARL B. LOVELL.....Adjunct Professor of Civil Engineering
C.E., Cornell, 1891.
- FRANZ BOAS.....Professor of Anthropology
Ph.D., Kiel, 1881.

¹ Absent on leave.

- JOHN FRANCIS WOODHULL. Professor of Physical Science in Teachers College
A.B., Yale, 1880; Ph.D., Columbia, 1899.
- FRANKLIN THOMAS BAKER. Professor of the English Language and Literature in Teachers College
A.B., Dickinson, 1885; A.M., 1889; A.M., Columbia, 1900.
- RICHARD ELWOOD DODGE. Professor of Geography in Teachers College
A.B., Harvard, 1890; A.M., 1894.
- CHARLES EARL BIKLÉ. Adjunct Professor of Mathematics in Teachers College
A.B., Dickinson, 1886; A.M., 1889.
- JAMES EARL RUSSELL. Barnard Professor of Education
A.B., Cornell, 1887; Ph.D., Leipzig, 1894; LL.D., Dickinson, 1903.
- FRANCIS ERNEST LLOYD. Adjunct Professor of Biological Science in Teachers College
A.B., Princeton, 1891; A.M., 1895.
- HELEN KINNE. Professor of Domestic Science in Teachers College
- MARY SCHENCK WOOLMAN. Professor of Domestic Art in Teachers College
- FRANK M. McMURRY. Professor of the Theory and Practice of Teaching in Teachers College
Ph.D., Jena, 1889.
- CHARLES RUSSELL RICHARDS. Professor of Manual Training in Teachers College
B.S., Massachusetts Institute of Technology, 1885.
- PAUL MONROE. Professor of the History of Education in Teachers College
B.S., Franklin, 1890; M.S. 1895; Ph.D., Chicago, 1897.
- SAMUEL TRAIN DUTTON. Professor of School Administration in Teachers College
A.B., Yale, 1873; A.M., 1900.
- WILLIAM P. TRENT. Professor of English Literature
M.A., Virginia, 1884; LL.D., Wake Forest, 1890.
- HERBERT G. LORD. Professor of Philosophy
A.B., Amherst, 1871; A.M., 1900.
- NELSON GLENN MCCREA. Professor of Latin
A.B., Columbia, 1885; A.M., 1886; Ph.D., 1888.
- GONZALEZ LODGE. Professor of Latin and Greek in Teachers College
A.B., Johns Hopkins, 1883; Ph.D., 1886; LL.D., Franklin and Marshall, 1901.
- CLARENCE H. YOUNG. Professor of Greek
A.B., Columbia, 1888; A.M., 1889; Ph.D., 1891.
- LIVINGSTON FARRAND. Professor of Anthropology
A.B., Princeton, 1888; A.M., 1891; M.D., Columbia, 1891.
- GEORGE FRANCIS SEVER. Professor of Electrical Engineering
M.Sc., Columbia, 1905.
- JAMES MACLAY. Professor of Mathematics
C.E., Columbia, 1888; Ph.D., 1899.
- EDMUND HOWD MILLER. Professor of Analytical Chemistry
Ph.B., Columbia, 1891; A.M., 1892; Ph.D., 1894.
- MARSTON TAYLOR BOGERT. Professor of Organic Chemistry
A.B., Columbia, 1890; Ph.B., 1894.

- J. LIVINGSTON RUTGERS MORGAN, Ph.D. Professor of Physical Chemistry
B.S. and A.M., Rutgers, 1892; Ph.D., Leipzig, 1895.
- BENJAMIN DURYEA WOODWARD Professor of the Romance Languages and Literatures
A.B., Columbia, 1888; A.M., 1889; Ph.D., 1891; B. ès S., Sorbonne, 1885; B. ès L. 1886; Ph.D., Columbia, 1891.
- HENRY E. CRAMPTON Professor of Zoölogy
A.B., Columbia, 1893; Ph.D., 1899.
- EDWARD LEE THORNDIKE Professor of Genetic Psychology in Teachers College
A.B., Wesleyan, 1895; A.B., Harvard, 1896; A.M., 1897; Ph.D., Columbia, 1898.
- CHARLES HUBERT FARNSWORTH Adjunct Professor of Music in Teachers College
- HENRY S. REDFIELD Nash Professor of Law
A.B., Amherst, 1877; A.M., 1887; LL.D., 1901.
- DAVID EUGENE SMITH Professor of Mathematics in Teachers College
Ph.B., Syracuse, 1881; Ph.M., 1884; Ph.D., 1887; LL.D., 1905; M.Pd., Michigan State Normal, 1898.
- THOMAS DENISON WOOD Professor of Physical Education
A.B., Oberlin, 1888; A.M., 1891; M.D., Columbia, 1891.
- CHARLES THADDEUS TERRY Professor of Law
A.B., Williams, 1889; LL.B., Columbia, 1893.
- WALTER B. JAMES Bard Professor of the Practice of Medicine
A.B., Yale, 1879; M.D., Columbia, 1883; LL.D., 1904.
- WILLIAM J. GIES Professor of Physiological Chemistry
B.S., Pennsylvania College, 1893; M.S., 1896; Ph.B., Yale, 1894; Ph.D., 1897.
- WILLIAM T. BREWSTER Adjunct Professor of English.
A.B., Harvard, 1892; A.M., 1893.
- GEORGE CLINTON DENSMORE ODELL Adjunct Professor of English
A.B., Columbia, 1889; A.M., 1890; Ph.D., 1893.
- CHARLES KNAPP Adjunct Professor of Classical Philology
A.B., Columbia, 1887; A.M., 1888; Ph.D., 1890.
- L. EMMETT HOLT Carpentier Professor of the Diseases of Children
A.B., Rochester, 1875; A.M., 1878; M.D., Columbia, 1880; Sc.D., 1904.
- AMADEUS W. GRABAU Professor of Palæontology
S.B., Massachusetts Institute of Technology, 1896; S.M., Harvard, 1898; S.D., 1900.
- HENRY ROGERS SEAGER Professor of Political Economy
Ph.B., Michigan, 1890; Ph.D., Pennsylvania, 1894.
- HENRY L. MOORE Adjunct Professor of Political Economy
A.B., Randolph-Macon, 1892; Ph.D., Johns Hopkins, 1896.
- JOHN DYNELEY PRINCE Professor of Semitic Languages
A.B., Columbia, 1888; Ph.D., Johns Hopkins, 1892.
- FREDERICK JAMES EUGENE WOODBRIDGE Johnsonian Professor of Philosophy
A.B., Amherst, 1889; A.M., 1898; LL.D., 1903.
- FRIEDRICH HIRTH Dean Lung Professor of Chinese
A.M. and Ph.D., Rostock, 1869.
- FELIX ADLER Professor of Social and Political Ethics
A.B., Columbia, 1870; Ph.D., Heidelberg, 1873.
- JULIUS SACHS Professor of Secondary Education in Teachers College
A.B., Columbia, 1867; A.M., 1871; Ph.D., Rostock, 1871.

- RALPH EDWARD MAYERAdjunct Professor of Mechanical Drawing
C.E., Columbia, 1879.
- IRA H. WOOLSONAdjunct Professor of Mechanical Engineering
E.M., Columbia, 1885.
- HERBERT MAULE RICHARDSAdjunct Professor of Botany
B.S., Harvard, 1892; Sc.D., 1895.
- GARY N. CALKINSProfessor of Invertebrate Zoölogy
B.S., Massachusetts Institute of Technology, 1890; Ph.D., Columbia, 1898.
- PHILIP HANSON HISS, Jr.Adjunct Professor of Bacteriology
M.D., Columbia, 1895.
- MARGARET E. MALTBYAdjunct Professor of Physics in Barnard
College
A.B., Oberlin, 1882; A.M., 1891; B.S., Massachusetts Institute of Technology,
1891; Ph.D., Göttingen, 1895.
- CASSIUS JACKSON KEYSERAdrain Professor of Mathematics
B.S., Missouri, 1892; A.M., Columbia, 1896; Ph.D., 1902.
- HERSCHEL C. PARKERAdjunct Professor of Physics
Ph.B., Columbia, 1890.
- CHARLES AUGUSTUS STRONGProfessor of Psychology
A.B., Rochester, 1884; A.B., Harvard, 1885.
- MARSHALL H. SAVILLELoubat Professor of American Archæology
- GEORGE L. MEYLANAdjunct Professor of Physical Educa-
tion and Medical Director of the Gymnasium
M.D., New York University, 1896; B.S., Harvard, 1902; A.M., Columbia, 1904.
- ERNEST F. NICHOLSProfessor of Experimental Physics
B.S., Kansas Agricultural College, 1888; M.S., Cornell, 1893; Sc.D., 1897; Sc.D.,
Dartmouth, 1903.
- CHRISTIAN A. HERTERProfessor of Pharmacology and Therapeutics
M.D., Columbia, 1885.
- JAMES B. SCOTTProfessor of Law
A.B., Harvard, 1890; A.M., 1891; J.U.D., Heidelberg, 1894.
- AMASA TROWBRIDGEAdjunct Professor of Mechanical Engineering
Ph.B., Yale, 1891.
- ELIJAH WILLIAM BAGSTER-COLLINSAdjunct Professor of German in
Teachers College
A.B., Brown, 1897; A.M., Columbia, 1898.
- LOUIS ROUILLIONAdjunct Professor of Manual Training in
Teachers College
B.S., Cornell, 1891; A.M., Columbia, 1900.
- MAURICE A. BIGELOWAdjunct Professor of Biology in Teachers
College
B.S., Ohio Wesleyan, 1894; M.S., Northwestern, 1896; Ph.D., Harvard, 1901.
- FREDERICK H. SYKESDirector of Extension Teaching
A.B., Toronto, 1885; A.M., 1886; Ph.D., Johns Hopkins, 1894.
- JOSEPH A. BLAKEProfessor of Surgery
A.B., Yale, 1885; Ph.B., 1886; M.D., Columbia, 1889.
- SAMUEL W. LAMBERTProfessor of Applied Therapeutics
A.B., Yale, 1880; Ph.B., 1882; A.M., 1905; M.D., Columbia, 1885.
- GEORGE E. BREWERProfessor of Clinical Surgery
A.B., Hamilton, 1881; A.M., 1882; M.D., Buffalo, 1884; M.D., Harvard, 1885.
- GEORGE H. FOXProfessor of Dermatology
A.M., Rochester, 1867; M.D., Pennsylvania, 1869.

- VIRGIL P. GIBNEY.....Professor of Orthopædic Surgery
A.B., Kentucky, 1869; A.M., 1872; LL.D., 1899; M.D., Bellevue, 1871.
- WILLIAM K. SIMPSON.....Professor of Laryngology
M.D., Columbia, 1880.
- ARNOLD H. KNAPP.....Professor of Ophthalmology
A.B., Harvard, 1889; M.D., Columbia, 1892.
- GORHAM BACON.....Professor of Otology
A.B., Harvard, 1875; M.D., Bellevue, 1878.
- JAMES R. HAYDEN.....Professor of Genito-Urinary Diseases
M.D., Columbia, 1884.
- EUGENE HODENPYL.....Adjunct Professor of Pathological Anatomy
M.D., Columbia, 1885.
- HERMAN T. VULTÉ.....Adjunct Professor of Domestic Science in
Teachers College
Ph.B., Columbia, 1881; Ph.D., 1885.
- FRANCIS CARTER WOOD.....Adjunct Professor of Clinical Pathology
B.S., Ohio State, 1891; M.D., Columbia, 1894.
- LEA MCLVAINE LUQUER.....Adjunct Professor of Mineralogy
C.E., Columbia, 1887; Ph.D., 1894.
- LOUIS AUGUSTE LOISEAUX.....Adjunct Professor of the Romance
Languages and Literatures
B.S., Dijon, 1894.
- WILLIAM ADDISON HERVEY.....Adjunct Professor of the Germanic
Languages and Literatures
A.B., Columbia, 1893; A.M., 1894.
- FREDERICK R. BAILEY.....Adjunct Professor of Histology and
Embryology
A.B., Princeton, 1892; A.M., 1893; M.D., Columbia, 1895.
- RUDOLF TOMBO, Jr.....Adjunct Professor of the Germanic Languages
and Literatures
B.S., College of the City of New York, 1895; M.S., 1899; A.M., Columbia, 1898;
Ph.D., 1901.
- BRADLEY STOUGHTON.....Adjunct Professor of Metallurgy
Ph.B., Yale, 1893; B.S., Massachusetts Institute of Technology, 1896.
- JOHN ANGUS MAC VANNEL.....Adjunct Professor of Education
in Teachers College
A.B., Toronto, 1893; A.M., 1894; Ph.D., Columbia, 1898.
- RUSSELL BURTON-OPITZ.....Adjunct Professor of Physiology
M.D., Chicago, 1895; B.S., 1897; M.S., 1898.
- LEONARD BEECHER MCWHOOD.....Adjunct Professor of Music
A.B., Columbia, 1893.
- JOEL ELIAS SPINGARN.....Adjunct Professor of Comparative Literature
A.B., Columbia, 1895; Ph.D., 1899.
- MAXIMILIAN K. KRESS.....Adjunct Professor of Architecture
A.M., Rutgers, 1895.
- GEORGE N. OLCOTT.....Adjunct Professor of Latin
A.B., Columbia, 1893; Ph.D., 1899.
- THOMAS HUNT MORGAN.....Professor of Experimental Zoölogy
B.S., State College of Kentucky, 1886; Ph.D., Johns Hopkins, 1891.
- GEORGE STUART FULLERTON.....Professor of Philosophy
B.A., Pennsylvania, 1879; M.A., 1882; B.D., Yale, 1883; Ph.D., Muhlenburg,
1892; LL.D., 1900.

- WILLIAM ALLAN NEILSON.....Professor of English
M.A., Edinburgh, 1891; A.M., Harvard, 1896; Ph.D., 1898.
- JEFFERSON B. FLETCHER.....Professor of Comparative Literature
A.B., Harvard, 1887; A.M., 1889.
- HARRY MCMAHON PAINTER.....Professor of Clinical Obstetrics
A.B., Yale, 1884; Ph.B., 1885; M.D., Columbia, 1888.
- CHARLES LANE POOR.....Professor of Astronomy
B.S., College of the City of New York, 1886; M.S., 1890; Ph.D., Johns Hopkins, 1892.
- CORNELIUS RÜBNER.....Professor of Music
- ARTHUR WESLEY DOW....Professor of Fine Arts in Teachers College
- JOHN DEWEY.....Professor of Philosophy
A.B., Vermont, 1879; Ph.D., Johns Hopkins, 1884; LL.D., University of Wisconsin, 1904.
- HENRY H. RUSBY.....Professor of Botany and Materia Medica in
the College of Pharmacy
M.D., University Medical College of New York, 1884.
- VIRGIL COBLENTZ.....Professor of Physics and Chemistry in the
College of Pharmacy
A.B., Wittenberg, 1880; Ph.G., Philadelphia College of Pharmacy, 1882;
Phar. M., 1894; A.M., Ph.D., University of Berlin, 1891.
- GEORGE A. FERGUSON.....Professor of Analytical Chemistry in the
College of Pharmacy
Ph.B., Columbia, 1890.
- SMITH ELY JELLIFFE.....Professor in the College of Pharmacy and
Instructor in Materia Medica
A.B., Brooklyn Polytechnic, 1896; M.D., Columbia, 1889; Ph.D., 1899.
- GEORGE C. DIEKMAN.....Professor of Pharmacy in the College of
Pharmacy
Ph.G., New York College of Pharmacy, 1888; M.D., Columbia, 1891.
- JOHN OEHLER.....Adjunct Professor of Chemistry in the College
of Pharmacy
Ph.G., New York College of Pharmacy, 1879.
- ¹JAMES S. C. WELLS.....Adjunct Professor of Analytical Chemistry
Ph.B., Columbia, 1875; Ph.D., 1877.
- JOSEPH C. PFISTER.....Adjunct Professor of Mechanics
A.B., Columbia, 1889; A.M., 1890.
- HENRY CLAPP SHERMAN...Adjunct Professor of Analytical Chemistry
B.S., Maryland Agricultural College, 1893; A.M., Columbia, 1896; Ph.D., 1897.
- WILLIAM ROBERT SHEPHERD.....Adjunct Professor of History
A.B., Columbia, 1893; A.M., 1894; Ph.D., 1896.
- FRANK LEO TUFTS.....Adjunct Professor of Physics
B.S., Antioch, 1891; A.B., Harvard, 1894; A.M., Columbia, 1896; Ph.D., 1897.
- ¹ JAMES T. SHOTWELL.....Adjunct Professor of History
A.B., Toronto, 1898; Ph.D., Columbia, 1903.
- GEORGE W. BOTSFORD.....Adjunct Professor of History
A.B., Nebraska, 1884; A.M., 1889; Ph.D., Cornell, 1891.
- ALBERT P. WILLS.....Adjunct Professor of Mechanics
B.E.E., Tufts, 1894; Ph.D., Clark, 1897.
- ROBERT SESSIONS WOODWORTH....Adjunct Professor of Psychology
A.B., Amherst, 1891; A.B., Harvard, 1896; A.M., 1897; Ph.D., Columbia, 1899.

¹ Absent on leave.

- ALVIN S. JOHNSON.....Adjunct Professor of Economics
A.B., Nebraska, 1897; A.M., 1898; Ph.D., Columbia, 1903.
- BERN B. GALLAUDET.....Adjunct Professor of Anatomy and
Instructor in Surgery
A.B., Trinity, 1880; A.M., 1883; M.D., Columbia, 1884.
- SAMUEL A. TUCKER.....Adjunct Professor of Electro-Chemistry
Ph.B., Columbia, 1895.
- HENRY BEDINGER MITCHELL.....Adjunct Professor of Mathematics
E.E., Columbia, 1898; A.M., 1900.
- VLADIMIR G. SIMKHOVITCH....Adjunct Professor of Economic History
Ph.D., Halle-Wittenberg, 1898.
- EDWARD THOMAS DEVINE.....Schiff Professor of Social Economy
B.A., Cornell College, Iowa, 1887; M.A., 1890; LL.D., 1904; Ph.D., Pennsylv-
vania, 1895.
- HERMON C. BUMPUS.....Director of the American Museum of
Natural History
B.A., Brown, 1884; Ph.D., Clark, 1890.
- CHARLES F. MCKIM.....Director of Atelier
Litt.D., Columbia, 1904.
- THOMAS HASTINGS.....Director of Atelier
Diplômé de l'École des Beaux-Arts, 1884.
- WILLIAM CULLEN DENNIS.....Adjunct Professor of Law
A.B., Earlham, 1896; A.B., Harvard, 1897; A.M., 1898; LL.B., 1901.
- VIRGIL PRETTYMAN.....Principal of Horace Mann High School with
rank of Adjunct Professor in Teachers College
A.B., Dickinson, 1892; A.M., 1895; Pd.D., 1905.
- HENRY CARR PEARSON.....Principal of Horace Mann Elementary
School with rank of Adjunct Professor in Teachers College
A.B., Harvard, 1892.
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Special Lecturers in Mathematical Physics for 1905-06

- VILHELM FRIMAN BJERKNES, Ph.D.
Professor in the University of Stockholm.
- HENDRIK ANTOON LORENTZ, Ph.D.
Professor in the University of Leyden.
(2)

Clinical Professors and Lecturers

- CHARLES MCBURNEY.....Professor of Clinical Surgery
A.B., Harvard, 1866; A.M., 1869; M.D., Columbia, 1870.
- ROBERT F. WEIR.....Professor of Clinical Surgery
A.B., College of the City of New York, 1854; A.M., 1857; M.D., College of Phys-
icians and Surgeons, 1859.
- FRANCIS P. KINNICUTT.....Professor of Clinical Medicine
A.B., Harvard, 1868; A.M., 1872; M.D., Columbia 1871.
- FRANK HARTLEY.....Professor of Clinical Surgery and Instructor
in Operative Surgery
A.B., Princeton, 1877; M.D., Columbia, 1880.
- FRANCIS H. MARKOE.....Professor of Clinical Surgery
A.B., Princeton, 1876; M.D., Columbia, 1879.
- JOHN S. THACHER.....Professor of Clinical Medicine
A.B., Yale, 1877; M.D., Columbia, 1880.

- FREDERICK PETERSON.....Clinical Professor of Psychiatry
M.D., Buffalo, 1879; Ph.D., Niagara, 1893.
- ANDREW J. McCOSH.....Clinical Lecturer in Surgery
A.B., Princeton, 1877; A.M., 1880; M.D., Columbia, 1880; LL.D., 1904.
- CHARLES T. POORE.....Clinical Lecturer in Surgery
M.D., Columbia, 1866; A.M., Williams, 1891.
- ROBERT ABBE.....Clinical Lecturer in Surgery
A.B., College of the City of New York, 1870; M.D., Columbia, 1874.
- WILLIAM B. COLEY.....Clinical Lecturer in Surgery
A.B., Yale, 1884; M.D., Harvard, 1888.
- JAMES D. VOORHEES.....Lecturer in Obstetrics
A.B., Princeton, 1890; A.M., 1893; M.D., Columbia, 1893.
- ROLFE FLOYD.....Lecturer in Anatomy
A.B., Harvard, 1895; M.D., Columbia, 1899.
- LUCIUS W. HOTCHKISS...Clinical Lecturer and Instructor in Surgery
A.B., Columbia, 1881; M.D., 1884.
- JOHN B. WALKER.....Clinical Lecturer in Surgery
A.B., Harvard, 1884; M.D., 1888.
- ROYAL WHITMAN.....Clinical Lecturer and Instructor in Ortho-
pædic Surgery
M.D., Harvard 1882.
- PEARCE BAILEY.....Clinical Lecturer in Neurology
A.B., Princeton, 1886; A.M., 1889; M.D., Columbia, 1889.
- (17)

Instructors

Note—For the Instructors and other Officers not of Professorial Grade in Teachers College, in the College of Pharmacy, and in the Summer Session, see the Table of Contents.

- CHARLES A. HARRIMAN.....Instructor in Architectural Drawing
- GRENVILLE TEMPLE SNELLING, B.S.....Instructor in Architectural
Engineering
- EDWARD LEAMING, M.D.....Instructor in Photography
- WILLIAM S. STONE, M.D....Chief of Clinic and Instructor in Gynecology
- GEORGE R. LOCKWOOD, M.D.....Instructor in Medical Diagnosis
- WILLIAM K. DRAPER, M.D.....Instructor in Medical Diagnosis
- VAN HORNE NORRIE, M.D.....Instructor in Physical Diagnosis
- ROBERT LEWIS, JR., M.D...Chief of Clinic and Instructor in Otology
- FRANK W. JACKSON, M.D.....Instructor in Medical Diagnosis
- GEORGE T. JACKSON, M.D.....Chief of Clinic and Instructor in
Dermatology
- CHARLES PRENTICE BENNS, M.E. Instructor in Shop-work in Teachers
College
- CHARLES NORTH DOWD, M.D.....Instructor in Surgery
- GEORGE MONTAGUE SWIFT, M.D.....Instructor in Medicine
- RICHARD FROTHINGHAM, M.D.....Instructor in Laryngology
- CHARLES CONRAD SLEFFEL..Instructor in Forging in Teachers College
- CHARLES W. WEICK, B.S..Instructor in Wood-working and Pattern-
making in Teachers College

WALTON MARTIN, M.D.....	Instructor in Surgery
ALBERT E. SUMNER, M.D.....	Chief of Clinic and Instructor in Physical Diagnosis
E. MILTON FOOTE, M.D.....	Instructor in Surgery
CHARLES H. PECK, M.D.....	Instructor in Surgery
WARREN S. BICKHAM, M.D.,	Assistant Instructor in Operative Surgery
ALFRED S. TAYLOR, M.D....	Assistant Instructor in Operative Surgery
ADOLPH BLACK, C.E.....	Instructor in Civil Engineering
EDWARD LAWRENCE KURTZ, E.M.....	Instructor in Mining
ARTHUR M. SHRADY, M.D.....	Instructor in Physical Diagnosis
JOHN HENRY LARKIN, M.D....	Instructor in Pathology and Curator of the Museum
RICHARD H. CUNNINGHAM, M.D.....	Chief of Clinic and Instructor in Electro-Physiology and in Neurology
HENRY WOOLFE BERG, M.D.....	Instructor in Infectious Diseases
LINNAEUS EDFORD LA FETRA, M.D....	Chief of Clinic and Instructor in the Diseases of Children
CHARLES C. TROWBRIDGE, M.S.....	Instructor in Physics
DANIEL JORDAN, B.S., Pd.B....	Instructor in the Romance Languages and Literatures
ARTHUR F. J. REMY, Ph.D....	Instructor in the Germanic Languages and Literatures
CHARLES EDWARD LUCKE, M.S., Ph.D.....	Instructor in Mechanical Engineering
NORMAN E. DITMAN, M.D.....	Instructor in Pathology
A. EMIL SCHMITT, M.D....	Assistant Instructor in Operative Surgery
WARD A. HOLDEN, M.D.....	Chief of Clinic and Instructor in Ophthalmology
FRANK S. MATHEWS, M.D.....	Instructor in Gynecology
FRANK R. OASTLER, M.D.....	Instructor in Gynecology
HOWARD C. TAYLOR, M.D.....	Instructor in Gynecology
HENRY H. TYSON, M.D.....	Instructor in Ophthalmology
ALFRED H. GUMAER, B.S.....	Instructor in Architectural Design
FORBES HAWKES, M.D.....	Instructor in Surgery
CLARENCE A. McWILLIAMS, M.D.....	Instructor in Surgery
ADAM M. MILLER, A.M.....	Instructor in Histology and Embryology
ADRIAN VAN SINDEREN LAMBERT, M.D.....	Instructor in Surgery
CARLETON P. FLINT, M.D.....	Instructor in Minor Surgery
EUGENE HILLHOUSE POOL, M.D.....	Instructor in Surgery
OLIVER S. STRONG, Ph.D....	Instructor in Histology and Embryology
ALFRED NEWTON RICHARDS, Ph.D.....	Instructor in Pharmacology
MARIE REIMER, Ph.D....	Instructor in Chemistry in Barnard College
AUGUSTUS B. WADSWORTH, M.D.....	Instructor in Bacteriology
JAMES C. AYER, M.D.....	Assistant Instructor in Operative Surgery
WILLIAM CAMPBELL, Ph.D., M.Sc., Sc.D.....	Instructor in Metallurgy
GEORGE SLOAN DIXON, M.D.....	Instructor in Otology
T. STUART HART, M.D.....	Instructor in Physical Diagnosis

WILLIAM P. HEALY, M.D.....	Instructor in Gynecology
JOHN HOWLAND, M.D.....	Instructor in Contagious Diseases
JAMES A. MILLER, M.D.....	Instructor in Physical Diagnosis
CHARLES J. PROBEN, M.D.....	Instructor in Gynecology
GEORGE H. RYDER, M.D.....	Instructor in Obstetrics
WILLIAM SKARSTROM, M.D.....	Instructor in Physical Education
FRANKLIN M. STEPHENS, M.D.....	Instructor in Otology
SAMUEL W. THURBER, M.D.....	Chief of Clinic and Instructor in Laryngology
PERCY R. TURNURE, M.D.....	Chief of Clinic and Instructor in Minor Surgery
JAMES R. WHITING, M.D.....	Chief of Clinic and Instructor in Genito- Urinary Diseases
FITZHUGH TOWNSEND, A.B., E.E.....	Instructor in Electrical Engineering
EDWARD KASNER, Ph.D.....	Instructor in Mathematics
HENRY BARGY, A.M.....	Instructor in the Romance Languages and Literatures
GEORGE H. LING, Ph.D.....	Instructor in Mathematics
NATHANIEL B. POTTER, M.D.....	Instructor in Medicine
FRED. P. SOLLEY, M.D.....	Instructor in Medicine
GEORGE BRAXTON PEGRAM, Ph.D.....	Instructor in Physics
WILLIAM E. KELLCOTT, Ph.D.....	Instructor in Zoölogy
GERTRUDE M. HIRST, Ph.D.....	Instructor in Classical Philology in Barnard College
WALTER A. BASTEDO, M.D.....	Instructor in Materia Medica and Pharmacology
WILLIAM PEPPERRELL MONTAGUE, Ph.D....	Instructor in Philosophy
WILLIAM COGSWELL CLARKE, M.D.....	Instructor in Surgery
WALTER R. CRANE, Ph.D.....	Instructor in Mining
JOHN W. DRAPER MAURY, M.D...	Instructor in Experimental Surgery
WILLIAM W. LAWRENCE, Ph.D.....	Instructor in English
EDWARD LIVINGSTON HUNT M.D.....	Instructor in Neurology
ROWLAND COX, M.D.....	Assistant Instructor in Operative Surgery
JAMES H. KENYON, M.D...	Assistant Instructor in Operative Surgery

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Demonstrators

ARTHUR SEYMOUR VOSBURGH, M.D.....	Demonstrator of Anatomy
HENRY E. HALE, M.D.....	Demonstrator of Anatomy
HAVEN EMERSON, M.D.....	Demonstrator of Physiology
WILLIAM DARRACH, M.D.....	Demonstrator of Anatomy
LEANDER H. SHEARER, M.D....	Assistant Demonstrator of Physiology
GEORGE A. TUTTLE, M.D.....	Demonstrator in Pathological Anatomy
ARTHUR WALKER BINGHAM, A.B., M.D....	Assistant Demonstrator of Physiology

CHARLES RUSSELL LOWELL PUTNAM, M.D.....	Demonstrator of Anatomy
HERMANN VON W. SCHULTE, M.D.....	Demonstrator of Anatomy
EDWARD A. SPITZKA, M.D.....	Demonstrator of Anatomy
HARRY M. KEATOR, M.D.....	Assistant Demonstrator of Physiology
HORST OERTEL, M.D.....	Demonstrator in Pathological Anatomy
FREDERICK T. VAN BEUREN, JR., M.D....	Demonstrator of Anatomy
HUGH AUCHINCLOSS, A.B., M.D.....	Demonstrator of Anatomy

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Tutors

CHARLES P. WARREN, A.M.....	Tutor in Architectural Construction
CARLTON CLARENCE CURTIS, Ph.D.....	Tutor in Botany
S. ALFRED MITCHELL, Ph.D.....	Tutor in Astronomy
SAMUEL OSGOOD MILLER, C.E.....	Tutor in Drawing
CAVALIER HARGRAVE JOÛET, Ph.D....	Tutor in Analytical Chemistry
DAVID BOVAIRD, M.D.....	Tutor in Medicine
EVAN M. EVANS, M.D.....	Tutor in Medicine
WILHELM ALFRED BRAUN, Ph.D....	Tutor in the Germanic Languages and Literatures
EDMUND L. DOW, M.D.....	Tutor in Medicine
JOHN DRISCOLL FITZ-GERALD, II, A.B.....	Tutor in the Romance Languages and Literatures
THOMAS H. HARRINGTON, C.E.....	Tutor in Drawing
VICTOR J. CHAMBERS, Ph.D.....	Tutor in Organic Chemistry
EVERETT J. HALL.....	Tutor in Analytical Chemistry and Assaying
ALFRED HAYES, JR., A.M., LL.B.....	Tutor in Law
TRACY ELLIOT HAZEN, Ph.D.....	Tutor in Botany
ARTHUR COLON NEISH, Ph.D.....	Tutor in Chemistry
¹ VIRGINIA C. GILDERSLEEVE, A.M.....	Tutor in English in Barnard College
CHARLES H. ELLARD, A.M.....	Tutor in Analytical Chemistry
HAL T. BEANS, Ph.D.....	Tutor in Analytical Chemistry
BERGEN DAVIS, Ph.D.....	Tutor in Physics
RICHARD THAYER HOLBROOK, Ph.D.....	Tutor in the Romance Languages and Literatures
CHARLES P. BERKEY, Ph.D.....	Tutor in Geology
ROSCOE GUERNSEY, Ph.D.....	Tutor in Greek
WILLIAM ADAMS DELANO, A.B.....	Tutor in Design
HENRI F. MULLER, B. ès L.....	Tutor in the Romance Languages and Literatures
ELEANOR KELLER, A.B.....	Tutor in Chemistry in Barnard College
FRANK S. MEARA, M.D.....	Tutor in the Diseases of Children
HENRY S. PATTERSON, M.D.....	Tutor in Materia Medica and Therapeutics
WILLIAM HENRY YATES, C.E.....	Tutor in Civil Engineering

¹ Absent on leave

HARRIET BROOKS, A.M.....	Tutor in Physics in Barnard College
WILLIAM R. WILLIAMS, M.D.....	Tutor in Materia Medica and Therapeutics
WILLIAM S. DAY, Ph.D.....	Tutor in Physics
ANNINA PERIAM, A.M....	Tutor in the Germanic Languages and Litera- tures in Barnard College
GUSTAVE M. MEYER, Ph.D.....	Tutor in Physiological Chemistry
CLIFFORD T. SWART, Mech.E.....	Tutor in Mechanical Engineering
MAURICE A. LAMME, B.S.....	Tutor in Mineralogy
FREDERICK W. J. HEUSER, A.M....	Tutor in the Germanic Languages and Literatures
ARTHUR RAY MAXSON, A.M.....	Tutor in Mathematics
EDWARD F. KERN, B.S., Ph.D.....	Tutor in Metallurgy
WILLIAM H. BUSSEY, Ph.D.....	Tutor in Mathematics
FLOYD J. METZGER, Ph.D.....	Tutor in Chemistry

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Lecturers and other Special Officers of Instruction

ABRAHAM YOHANNAN, Ph.D.....	Lecturer in Oriental Languages
GEORGE JAMES BAYLES, Ph.D.....	Lecturer in Ecclesiology
CURTIS HIDDEN PAGE, Ph.D....	Lecturer in the Romance Languages and Literatures
ALEXIS A. JULIEN, Ph.D.....	Curator in Geology
MORTON ARENDT, E.E.....	Lecturer in Electrical Engineering
IDA HELEN OGILVIE, Ph.D....	Lecturer in Geology in Barnard College
JACKSON E. REYNOLDS, A.B., LL.B.....	Lecturer in Law
ERNST D. RICHARD, Ph.D.....	Lecturer on the History of German Civilization
CHARLES FORBES, M.D.....	Curator in Physics
JAMES HOWARD MCGREGOR, Ph.D....	Lecturer in Vertebrate Zoölogy
GEORGE PHILIP KRAPP, Ph.D.....	Lecturer in English
CLARK WISSLER, Ph.D.....	Lecturer in Anthropology
ADOLPH F. BANDELIER.....	Lecturer in American Archæology
CHARLES A. BEARD, Ph.D.....	Lecturer in History
BERTHOLD LAUFER, Ph.D.....	Lecturer in Anthropology
DICKINSON S. MILLER, Ph.D.....	Lecturer in Philosophy
PAULINE HAMILTON DEDERER, A.B....	Lecturer in Zoölogy in Barnard College
PHILIPP SEIBERTH, A.M....	Lecturer in the Germanic Languages and Literatures
ARMOUR CALDWELL, A.B.....	Lecturer in English
JOHN V. VAN PELT....	Diplômé de l' École des Beaux-Arts; Associate Director of Atelier
JOHN R. POPE, Ph.B.....	Associate Director of Atelier
WILLIAM B. PARKER, A.B.....	Lecturer in English
GRACE A. HUBBARD, A.M....	Lecturer in English in Barnard College
ALGERNON DE V. TASSIN, A.M.....	Lecturer in English

MARGARET A. REED, A.B.	Lecturer in Zoölogy in Barnard College
MYRON SAMUEL FALK, Ph.D.	Lecturer in Civil Engineering
JOHN M. WOOLSEY, A.B., LL.B.	Lecturer in Law
WENDELL T. BUSH, Ph.D.	Lecturer in Philosophy
ROBERT J. LAU, Ph.D.	Gustav Gottheil Lecturer in Semitic Languages
FREDERICK VAN DYKE CRUSER, B.S., A.M.	Lecturer in Analytical Chemistry
RICHARD FRANCIS DEIMEL, B.S., A.M.	Lecturer in Physics
VIVIAN A. C. HENMON, Ph.D.	Lecturer in Psychology
WALTER B. PITKIN, A.B.	Lecturer in Philosophy
EMERY POTTLE, A.B.	Lecturer in English
HARWOOD HOADLEY, A.B.	Lecturer in Classical Philology
WILHELM OSTWALD, Ph.D., LL.D.	Non-resident Lecturer in Psychology

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Assistants

FLORA E. HARPAM, A.M.	Computer at the Observatory
D. STUART DODGE JESSUP, M.D.	Assistant in Clinical Pathology
CHARLES E. BANKER, M.D.	Assistant in Histology
WILLIAM C. UHLIG, Ph.D.	Assistant in Analytical Chemistry
HENRY ASKEW JACKSON, B.S., A.M.	Assistant in Physical Chemistry
ROBERT J. H. KLIENE	Assistant in Chinese
ALLEN H. NELSON, A.M.	Assistant in Physics
CHARLES H. SMITH, M.D.	Assistant in Histology and Embryology
JOHN FAIRFIELD THOMPSON, B.S.	Assistant in Metallurgy
KARL M. VOGEL, M.D.	Assistant in Pathology
EDWIN BENNETT WHEELER, B.S.	Assistant in Physics
MARGARET E. BALL, A.M.	Assistant in English in Barnard College
WILLIAM N. BERG, B.S.	Assistant in Physiological Chemistry
DINO BIGONGIARI, A.B.	Assistant in Latin
IRA D. CARDIFF, B.S.	Assistant in Botany
JOHN A. DAVIS	Assistant in the Gymnasium
SALISBURY MARCUS DAY, E.E.	Assistant in Electrical Engineering
CAMILLE A. TOUSSAINT, A.M.	Assistant in Mathematics
WILLIAM H. WELKER, B.S.	Assistant in Physiological Chemistry
WALTER T. DERLETH, C.E., A.M.	Assistant in Civil Engineering
CLINTON BEECHAM KNAPP, M.D.	Assistant in Bacteriology and Hygiene
HARRY L. PARR, A.B., Mech.E.	Assistant in Mechanical Engineering
MARION E. LATHAM, A.M.	Assistant in Botany in Barnard College
LILLIE M. LAWRENCE, B.S.	Assistant in Classical Philology in Barnard College
CHARLES W. RAMSDALL, A.M.	Assistant in History
ARTHUR JULIUS METTLER, B.S.	Assistant in Analytical Chemistry
HARRISON R. STEEVES, A.M.	Assistant in English

JOHN G. BOWMAN, A.M.	Assistant in English
STEWART SLOSSON, A.B.	Assistant in English
HANS ZINSSER, A.M., M.D.	Assistant in Bacteriology and Hygiene
THOMAS HAMILTON BURCH, JR., Mech.E.	Assistant in Drawing
ROBERT M. STRONG, Mech.E.	Assistant in Mechanical Engineering
THOMAS T. READ, E.M.	Assistant in Mineralogy
ALVAN A. TENNEY, A.M.	Assistant in Statistics
DAVID F. SWENSON, B.S.	Assistant in Philosophy
FRANCIS M. HAMILTON, A.M.	Assistant in Psychology
CHARLES E. MORRISON, C.E., A.M.	Assistant in Civil Engineering
GEORGE B. WATERHOUSE, B.S.	Assistant in Metallurgy
THOMAS C. BROWN, A.M.	Assistant in Palæontology
MICCO M. A. FONTRIER, A.B.	Assistant in Mechanics
WILLIAM K. GREGORY, A.M.	Assistant in Zoology
ROWLAND HAYNES, A.M.	Assistant in Philosophy
JAMES S. MACGREGOR, M.S.	Assistant in Mechanical Engineering
WILLIAM SALANT, M.D.	Assistant in Physiological Chemistry
CARL A. SCHNEIDER, E.E.	Assistant in Electrical Engineering
STEVENSON SMITH, A.B.	Assistant in Psychology
LEON E. WOODMAN, A.M.	Assistant in Physics
FRANCIS C. LINCOLN, S.B., E.M.	Assistant in Physics
ALEXANDER LAMPEN,	Assistant in Electro-Chemistry

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CLINICAL ASSISTANTS AT THE VANDERBILT CLINIC

Officers of instruction holding appointments in addition to that of Clinical Assistant are not included in this list. A complete list of the Clinical Assistants in each subject will be found at the head of the appropriate Departmental Statement.

In Medicine

CHARLES S. FISCHER, M.D.	J. W. DOUNCE, M.D.
I. M. WILZIN, M.D.	A. F. RIGGS, M.D.
LEWIS F. FRISSELL, M.D.	CLAUDE A. FRINK, M.D.
LINSLEY R. WILLIAMS, M.D.	MORRIS L. OGAN, M.D.

In Surgery

H. H. M. LYLE, M.D.	J. I. RUSSELL, M.D.
WILLIAM D. HENNEN, M.D.	WALTER H. HOLDRIDGE, M.D.
A. C. PRENTICE, M.D.	ISAAC W. KINGSBURY, M.D.

In Orthopedic Surgery

CHARLES H. JAEGER, M.D., Chief of Clinic	
SIGMUND EPSTEIN, M.D.	DANIEL B. BRINSMADE, M.D.
CARL R. KEPPLER, M.D.	JOHN CARLING, M.D.

In Neurology

CHARLES E. ATWOOD, M.D.	THOMAS P. PROUT, M.D.
B. E. KRYSTALL, M.D.	G. W. TODD, M.D.
S. P. GOODHARDT, M.D.	C. F. HAVILAND, M.D.
L. P. CLARK, M.D.	E. J. MCENTEE, M.D.
L. S. MANSON, M.D.	J. E. CLARK, M.D.
H. R. HUMPHRIES, M.D.	J. L. MACUMBER, M.D.
CHARLES D. CLEGHORN, M.D.	

In Gynecology

WILLIAM L. BRADLEY, M.D.	PERCY H. WILLIAMS, M.D.
HAROLD D. MEEKER, M.D.	

In Ophthalmology

JOHN A. JACKSON, M.D.	D. H. LEVY, M.D.
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In Laryngology

(Including Diseases of the Larynx, Pharynx, and Nasal Passages)

A. P. COLL, M.D.	F. CONGER SMITH, M.D.
JOHN J. MCCOY, M.D.	C. D. VAN WAGENEN, M.D.
JOHN LESHURE, M.D.	T. JOSEPH BARRY, M.D.

In Otology

MATHEW L. CARR, M.D.	ALFRED MICHAELIS, M.D.
FRANK J. BLODGETT, M.D.	

In Dermatology

JOHN H. P. HODGSON, M.D.	CHARLES T. DADE, M.D.
JOHN ALDRICH, M.D.	S. DANA HUBBARD, M.D.

In Diseases of Children

LEWIS M. SILVER, M.D.	R. H. McCONNELL, M.D.
ALBERT F. BRUGMAN, M.D.	A. B. YARD, M.D.
BERNARD SOUR, M.D.	S. V. HAAS, M.D.
EDWARD MILLER, M.D.	

In Genito-Urinary Diseases

WALTER B. BROUNER, M.D.	W. S. REYNOLDS, M.D.
S. W. FOWLER, M.D.	EDWARD R. PFARRE, M.D.

In Applied Therapeutics

F. G. GOODRIDGE, M.D.	WILLIAM R. MAY, M.D.
N. B. FOSTER, M.D.	CHAS. E. WEBSTER, M.D.
JAMES M. KENT, M.D.	SIGMUND EPSTEIN, M.D.

Columbia University in the City of New York

GENERAL STATEMENT

On October 31, 1754, Letters Patent were issued, incorporating THE GOVERNORS OF THE COLLEGE OF THE PROVINCE OF NEW YORK IN THE CITY OF NEW YORK IN AMERICA, and providing for the establishment of a College to be known as Kings College, "for the Instruction and Education of Youth in the Learned Languages and in the Liberal Arts and Sciences." The conclusion of the announcement issued in the same year reads: "A serious, virtuous, and industrious Course of Life being first provided for, it is further the Design of this College, to instruct and perfect the Youth in the learned Languages, and in the Arts of Reasoning exactly, of Writing correctly, and Speaking eloquently: And in the Arts of Numbering and Measuring, of Surveying and Navigation, of Geography and History, of Husbandry, Commerce, and Government; and in the Knowledge of all Nature in the Heavens above us, and in the Air, Water, and Earth around us, and the various Kinds of Meteors, Stones, Mines and Minerals, Plants and Animals, and of every Thing useful for the Comfort, the Convenience, and Elegance of Life, in the chief Manufactures relating to any of these things: And finally, to lead them from the Study of Nature, to the Knowledge of themselves, and of the God of Nature, and their Duty to Him, themselves, and one another; and every Thing that can contribute to their true Happiness both here and hereafter."

In 1784, the Legislature of the State of New York passed an act incorporating the "REGENTS OF THE UNIVERSITY OF THE STATE OF NEW YORK," vesting the property of Kings College in the Regents, and changing the name of the College to Columbia College. In 1787, this was repealed, and a statute passed confirming the Charter of 1754 for Columbia College, and specifying "that the style of the said corporation shall be, The Trustees of Columbia College in the City of New York."

In 1810, the charter was again amended in certain particulars at the request of the Trustees, and re-enacted, but the corporate title remained and still continues unchanged. The title to all corporate prop-

erty is vested in a board of twenty-four Trustees, whose term of office is for life, and who form a self-perpetuating body, exercising the power of appointment as to all officers of instruction and administration and general oversight and control of the affairs of the University. Organization

In 1896, the Trustees approved the use of the title, Columbia University in the City of New York, and in 1897 the work of the University was begun at Morningside Heights.

The PRESIDENT has charge of the educational administration of the University and is Chairman of the University Council and of every faculty established by the Trustees. The principal administrative officers, other than the President, are the Deans, who under the general supervision of the President have immediate charge of the work of the several faculties; the Librarian, the Secretary of the University, the Registrar, the Bursar, and the Superintendent of Buildings and Grounds.

The UNIVERSITY COUNCIL is a representative body consisting of the President, and the Dean and one elected member from each of the several faculties. Subject to the reserved power of control by the Trustees, it is the function of the Council (a) to determine the conditions upon which the degrees of Master of Arts and Doctor of Philosophy shall be conferred, and recommend candidates for these degrees; (b) to secure the correlation of courses offered by the several faculties with a view to increasing the efficiency and enlarging the range of University work, encourage original research and adjust all questions involving more than one faculty; (c) to make recommendations, both to the Trustees and to the several faculties, concerning the educational administration of the University, and advise the President upon such matters as he may bring before it; (d) to appoint all Fellows and University Scholars and, within the limits of the Statutes, make rules for their government.

The University includes the following:

COLUMBIA COLLEGE offers a program of studies, leading to the degrees of Bachelor of Arts and Bachelor of Science, conferred upon the recommendation of the Faculty of Schools and
Faculties
Columbia College.

Under the present program of studies emphasis is placed upon the quality of the student's work rather than upon the time spent in residence. The program makes it possible for the student to complete the requirements for the bachelor's degree and any of the professional degrees of the University in six years.

BARNARD COLLEGE, founded in 1889, is a separate corporation. As an undergraduate college for women, however, it bears the same relation¹ to the educational system of Columbia University as does

¹ By virtue of the agreement between the Trustees of Columbia College in the City of New York and the Trustees of Barnard College, dated January 19, 1900.

Columbia College for men. The requirements for admission and the standard of scholarship are of the same grade. The students receive their instruction in the Barnard College buildings. The degree of Bachelor of Arts is conferred upon its graduates by the University on the recommendation of the Faculty of Barnard College.

The other faculties of the University offer advanced courses of study and investigation leading to appropriate degrees in (*a*) private or municipal law, (*b*) medicine, (*c*) philosophy, education, philology, and letters, (*d*) history, economics, and public law, (*e*) mathematics and natural science, (*f*) technology, (*g*) architecture and music, and (*h*) pharmacy. Women students are not admitted to the courses in law, medicine, technology or architecture.

The division of the University into faculties and schools neither controls nor limits the student in his freedom of electing, under one or several of the faculties, courses that lead to the University degrees or Master of Arts and Doctor of Philosophy. These degrees are granted upon the recommendation of the University Council.

Advanced courses and opportunities for original research leading primarily to these degrees are offered by:

THE FACULTY OF PHILOSOPHY, in philosophy and education, psychology and anthropology, Greek and Latin (including archæology and epigraphy), English, comparative literature, and the Germanic, the Romance, and the Oriental languages;

THE FACULTY OF POLITICAL SCIENCE, in history and political philosophy, economics and social economy, and public law and comparative jurisprudence;

THE FACULTY OF PURE SCIENCE, in mathematics, mechanics and electro-mechanics, astronomy, physics, chemistry, mineralogy, geology, zoölogy, botany, physiology, anatomy, bacteriology, and physiological chemistry, and in mining, metallurgy, and engineering (civil, electrical, mechanical, sanitary, and chemical).

THE SCHOOL OF LAW, established in 1858, offers a course of three years in the principles and practice of private and public law, leading to the degree of Bachelor of Laws.

THE COLLEGE OF PHYSICIANS AND SURGEONS, founded in 1807, offers a course of four years in the principles and practice of medicine and surgery, leading to the degree of Doctor of Medicine.

THE SCHOOL OF MINES, founded in 1863, offers courses of study, each of four years, leading to a professional degree, in mining engineering and in metallurgy.

THE SCHOOLS OF CHEMISTRY AND ENGINEERING, set off from the School of Mines in 1896, offer, courses of study, each of four years, leading to an appropriate professional degree in chemistry and chemi-

cal engineering and in civil, sanitary, electrical, and mechanical engineering.

THE SCHOOL OF ARCHITECTURE, set apart from the Faculty of Applied Science in 1902 pending the organization of a Faculty of Fine Arts, offers a course of study of indeterminate length leading to the degree of Bachelor of Science in Architecture.

TEACHERS COLLEGE, founded in 1888 and chartered in 1889, was included in the University in 1898. It is a separate corporation. It offers instruction in the history and philosophy of education and the theory and practice of teaching, and takes academic rank in the University system as a professional school for teachers. It offers the following courses of study: (a) graduate courses leading to the doctor's diploma or to the master's diploma; (b) Professional courses, each of two years, based upon two years of collegiate study, leading to the bachelor's diploma for teachers and supervisors in kindergartens or elementary schools, or for specialists in domestic art, domestic science, fine arts, manual training, music, and physical education; and to the degree of Bachelor of Science in Education.

THE COLLEGE OF PHARMACY is, similarly, a separate corporation. It offers University courses leading to the degrees of Pharmaceutical Chemist and Doctor of Pharmacy.

By agreement with Mr. Joseph Pulitzer of New York, executed July 20, 1903, Columbia University will establish in the future a SCHOOL OF JOURNALISM, for which purpose Mr. Pulitzer has given to the University the sum of one million dollars.

The University maintains a SUMMER SESSION of six weeks' duration, in which are offered courses that are accepted in partial fulfillment of the requirements of the degrees of A.B., B.S., A.M., and Ph.D., and for the professional degrees in the Schools of Applied Science and Medicine and the diplomas in teaching.

Through its system of EXTENSION TEACHING the University offers to men and women, especially to those engaged in teaching, who can give only a portion of their time to study, an opportunity to pursue subjects included in a liberal education and to make progress, if they so desire, toward a diploma in teaching or an academic degree.

In order to present clearly a summary statement of the equipment and the instruction offered in any given group of subjects by the entire University, including Barnard College, Teachers College, and the College of Pharmacy; and to unify the work of each department of the University, and secure the interest of each officer of instruction in the entire work of his department, the several departments of the University are grouped together in divisions, as follows:

DIVISION OF BIOLOGY: Anatomy, Bacteriology, Botany, Physiology, Physiological Chemistry, and Zoölogy.

Divisional
Organization

DIVISION OF CHEMISTRY: Chemistry and Physiological Chemistry.

DIVISION OF CLASSICAL PHILOLOGY: Greek and Latin

DIVISION OF EDUCATION (FACULTY OF TEACHERS COLLEGE).

DIVISION OF ENGINEERING: Civil Engineering, Electrical Engineering, Mechanical Engineering, and Engineering Drafting.

DIVISION OF FINE ARTS: Architecture, Comparative Literature, Fine Arts, and Music.

DIVISION OF GEOLOGY, GEOGRAPHY, AND MINERALOGY: Geology, Geography, and Mineralogy.

DIVISION OF HISTORY, ECONOMICS, and PUBLIC LAW (FACULTY OF POLITICAL SCIENCE): Economics, Social Economy, Sociology and Statistics, History, and Public Law and Jurisprudence.

DIVISION OF MATHEMATICAL AND PHYSICAL SCIENCE: Astronomy, Mathematics, Mechanics, and Physics.

DIVISION OF MEDICINE (COLLEGE OF PHYSICIANS AND SURGEONS).

DIVISION OF MINING AND METALLURGY: Metallurgy and Mining.

DIVISION OF MODERN LANGUAGES AND LITERATURES: Comparative Literature, English, Germanic Languages, and Romance Languages.

DIVISION OF ORIENTAL LANGUAGES: Chinese, Indo-Iranian Languages, and Semitic Languages.

DIVISION OF PHARMACY (COLLEGE OF PHARMACY).

DIVISION OF PHILOSOPHY, PSYCHOLOGY, and ANTHROPOLOGY: Anthropology, Philosophy, and Psychology.

DIVISION OF PHYSICAL EDUCATION: Physical Education.

DIVISION OF PRIVATE LAW (FACULTY OF LAW).

The Announcements of each College or School, of the Summer Session, of Extension Teaching, and of the several Divisions, are issued in the form of Bulletins of Information, and may be obtained without charge from the Secretary of the University.

Announce-
ments

GENERAL REGULATIONS

Academic Discipline

By the terms of the statutes of the University every student is admitted subject to the disciplinary powers of the University authorities. The President is empowered to administer discipline in such cases as he deems proper, and to authorize the Deans of the several faculties to administer discipline in such manner and under such regulations as he may prescribe.

Attendance

No degrees are granted by the University for work done *in absentia*, and a minimum residence of one complete academic year (or in the

case of the degree of Master of Arts attendance at four Summer Sessions) is required of each candidate for a degree.

The University requires of all students regular attendance upon all stated academic exercises.¹

REGISTRATION

A student may enter Columbia University either as (1) a matriculated student, accepted by the University as having fulfilled the preliminary qualifications for candidacy for a degree or for a diploma in teaching; or (2) a non-matriculated student, permitted to attend such courses as he may be qualified to take, but not regarded as a candidate for a degree or for a diploma in teaching. Non-matriculated students may, however, receive formal certification as to the satisfactory completion of any course or courses. In the Announcement of each faculty will be found the conditions governing the admission of either matriculated or non-matriculated students to courses under that faculty.

Before attending any University exercises each student must register, *i. e.*, must present himself in person to furnish the information necessary for the University records and to file a statement of the courses he is authorized to pursue (for the matriculation or registration fee, payable but once, see page 24). The usual time for registration is at the beginning of the academic year. The central office of the Registrar, 109 Library, and the offices at the College of Physicians and Surgeons, 437 West 59th Street, and at Barnard College and Teachers College, will be open for registration from September 19 to September 25, 1906, and on February 1, 1907. New students may also register on the day following each of these periods.

Students registering later must pay an additional fee of \$5.00. They may, however, if unable through no fault of their own to complete their registration, file a provisional statement within the statutory period. Credit for attendance will date from the first day of each half year, and students will be held directly accountable for absences incurred owing to late registration. In order to qualify for the receipt of their stipends, Fellows and Scholars must report themselves as in residence to the Registrar on or before the second Wednesday in each half year.

Withdrawal

An honorable discharge will always be granted to any student in good standing who may desire to withdraw from the University; but no student under the age of twenty-one years will be entitled to a discharge without submitting the written assent of his parent or guardian.

¹ Students who find that stated academic exercises are fixed for days set apart for religious observance by the church to which they belong and who are prevented by conscientious scruples from performing their University duties on those days, are requested to make application to the appropriate University authority for equitable relief.

Students are requested, in case of withdrawal from the University during the academic year, to notify the Registrar in writing without delay. No application for a return of fees can be considered unless such notice be given at the time of withdrawal.

The dean of each faculty may for reasons of weight grant a leave of absence to a student in good standing.

FEES

The regulations of the Corporation of Columbia College in the City of New York in regard to fees are as follows. All regulations as to fees are subject to change by the Trustees at their discretion.

For Matriculation or Registration: Required of all students before entrance, payable but once. \$5

For late Registration (see page 23). 5

For Tuition, payable at the beginning of each half-year; if the entire fee be less than \$100 the whole must be paid upon registration. The President is under instructions to withdraw the privileges of any student delinquent in payment after the second Wednesday of each half-year.

For matriculated students:

In the College. per annum \$150

With additional charges for certain allowed professional courses, not to exceed \$100 in any one year. Information regarding these charges may be obtained from the Registrar.

In the School of Law. per annum 150

In the College of Physicians and Surgeons. " " 250

In the Schools of Applied Science ¹. " " 250

In the School of Architecture. " " 200

Candidates for the degrees of Master of Arts and Doctor of Philosophy ². 150

With a maximum fee of \$150 and \$300, respectively, when the course does not exceed, for the Master's degree, three, and for the Doctor's degree five years, and when all courses taken may be credited towards one of these degrees.³

For non-matriculated students, at the rate of \$15 per annum for each hour of attendance a week on lectures or recita-

¹ For the fees required for the Summer Courses in Surveying, Mining, and Geodesy see pages 26-27.

² For the laboratory fees required of graduate students in the Faculty of Pure Science see page 25.

³ If a student has paid tuition fees to the University as a candidate for A.M., and later registers as a candidate for Ph.D., the amount of such payment will be credited toward the maximum fee for the latter degree, provided there be no change in the choice of major and minor subjects.

tions, with a maximum fee of \$150, except that in the schools of Medicine and Applied Science, the rate is \$25 for each hour, with a maximum fee of \$250. For the fees in Architecture, see page 26.

For all students, matriculated or non-matriculated, in the Summer Session..... \$30

For students in Extension teaching, see Table of Contents.

For Examinations, payable in each case before the examination is held:

For entrance (see pp. 163 *et seq*)..... \$ 5

For any examination or single series of such examinations taken at any other time than at the conclusion of a course actually attended..... 5

For the degree of Bachelor of Arts or Bachelor of Science... 15

For any professional or technical degree..... 25

For the degree of Master of Arts..... 25

For the degree of Doctor of Philosophy..... 35

*For Use of the Gymnasium*¹:

Required of all male students except those of the College of Physicians and Surgeons..... 7

Laboratory Fees²

The Statutes provide that students registered in any department of the University who are not candidates for a degree, as well as all candidates for the higher degrees, shall be charged, in addition to the prescribed tuition fee, a fee for certain laboratory courses and for the use of laboratories in accordance with the following schedule, up to a maximum fee of \$250 including tuition:

DEPARTMENT	UNIT OF TIME	RATE
Botany	Year	\$10 for use of laboratories
Chemistry	Year	\$50 for use of laboratories, or any of them
Engineering:		
Civil	Two weeks	Course 11. Cement Testing laboratory, \$15
	One month	Course 5. Laboratory for testing materials, \$30
Electrical	Year	Course 11, \$50; Course 10 or 12, \$40; Course 27 or 105, \$15; Course 28, \$10
Mechanical	Year	\$50 for use of laboratories, or any of them
Metallurgy	Year or Half-year	\$50 for use of laboratories, or any of them. \$25 for Course 6a. \$20 for Course 7

¹ Women students may enjoy the privileges of the Thompson Physical Education Building upon payment of an annual fee of \$7.00.

² The revision of these fees is now under consideration.

DEPARTMENT	UNIT OF TIME	RATE
Mining	Year	2d half-year, Course 5, \$50 1st half-year, Course 8, \$25 for use of draughting room and laboratory instruction
Physics	Year	\$25 for use of laboratories by those not taking other instruction from department and by students in the Faculty of Pure Science; \$5 for special students taking other than undergraduate lecture courses
		<i>For non-matriculated Students</i>
Zoölogy	Year	\$25 for 1 day per week; each additional day, \$15
	Half-year	\$15 for 1 day per week; each additional day, \$7.50
		<i>For matriculated Students</i>
	Year	\$20
	Half-year	\$10

Medicine

The charges for non-candidates for a degree pursuing courses under the Faculty of Medicine may be obtained from the Registrar or the Assistant Registrar.

Architecture

Students not matriculated in architecture taking not less than four hours per week of lectures are permitted to register and pay for periods of two months at the rate of \$5 per hour weekly of lectures taken. They are charged a fee of \$25 for the use of the draughting rooms for the academic year, or \$10 for a single period of two months, but in no case are the total fees to exceed \$50 for the two months.

Summer Courses in Surveying

The following laboratory fees, payable on or before the last Saturday in May, are required of all students taking this course:

Civil Engineering	Five weeks	Course 15, \$25, or \$7 per survey for students with advanced standing
	Five weeks	Course 25, \$15, or \$5 per survey for students with advanced standing
	Two weeks	Course 26, \$5
	Four weeks	Course 71, \$10

In addition to the above laboratory fees, all students not candidates for a degree, all candidates for admission with advanced standing to the Schools of Applied Science, and all students who, having previously entered with advanced standing, may be required subsequently to attend any of these courses, must pay therefor tuition fees as follows:

Civil Engineering, 15.....	\$35
“ “ 25.....	25
“ “ 26.....	10
“ “ 71.....	25

This applies also to students in the College who pursue these courses, with the provision that any such student who later completes one of the regular courses in Applied Science will be credited at graduation with the difference, if any, between the fees actually paid by him and the fees which would have been charged had he been registered in Applied Science throughout the regular four-year course.

The regulations provide further that every student who fails to attend and complete any one of these courses regularly with his class will be permitted to do so later only upon payment of the above specified fee.

For further details as to the administration of these fees, see the special *Announcement of the Summer Courses in Surveying*.

Summer Courses in Mining and in Geodesy

Candidates for admission to advanced standing who attend the Summer Course in Practical Mining are required to pay therefor a fee of \$50. All students attending the Summer Course in Geodesy must pay a fee of \$20 for the course, to the Bursar at the University. These fees are payable on or before the last Saturday in May.

Deposits for Apparatus Supplies and for Keys to Desks and Lockers

A deposit for the use of lockers, keys, apparatus, material, and the like, ranging from \$1 to \$40, is required of students in Applied Science and Architecture. At the end of the year each student will be credited with those articles which he returns in good order, and the value of those he has injured or broken will be deducted from his deposit. Details may be obtained from the Bursar.

Miscellaneous Regulations

The amount of fees to be paid in special cases for partial attendance shall be determined by the President and Treasurer.

Students who have taken the degree of Doctor of Philosophy in this University may, with the consent of the University Council, continue their researches in the laboratories or library of the University without the payment of tuition fees.

No candidate for a degree in any school shall be entitled to receive the same until he shall have discharged all indebtedness to the University.

**Comparative Statement of Students' probable Expenses for the
Academic Year, October to June**

BASED ON STUDENTS' STATEMENTS

	Low	Average	Liberal
Matriculation Fee (First Year)	\$ 5	\$ 5	\$ 5
Tuition Fee ¹	150	150	150
Gymnasium Fee	7	7	7
Books	18	30	40 up
College Incidentals	7	15	33
Room (37 weeks)	77	112	178 "
Board (37 weeks)	146	184	236 "
Clothes and Washing	46	80	125 "
All other expenses	24	57	100 "
Total	\$480	\$640	\$874 up

COMMITTEE ON EMPLOYMENT FOR STUDENTS

Professor KEMP, Chairman; Professors FISKE, HUNTINGTON, BURDICK, HUTTON, GIDDINGS, and TODD, and the Secretary, and Registrar of the University, and Secretary of Earl Hall. REUBEN A. MEYERS, Secretary of the Committee.

It is the design of the Committees to put students desiring to work their way through college, especially those coming from elsewhere than New York or the immediate vicinity, in the way of earning enough for their partial or complete support, and if possible to extend assistance to them in other ways, while they are pursuing their studies here. Many opportunities may be offered to students of this class if the fact of their desire to obtain employment is made known. Some of the openings available are: private tutoring, translating, copying of various sorts, teaching in evening schools, travelling companions, stenography, and typewriting. Communications should be addressed to the Committee.

The Committee hesitates to advise Medical and Engineering Students to undertake outside work of any kind during the academic year. The demands of these courses in lectures and laboratory work are so exacting and inflexible as to make additional responsibilities a greater burden than can, in the great majority of instances, be wisely assumed. It would even be better for such students to withdraw from the University for a year in order to earn the money necessary to enable them to give undivided attention to their work while in attendance.

While much work is found for students each year, preference is naturally given, in case of a choice of applicants for a position, to those

¹ For Medicine and Applied Science add \$100, and for Architecture add \$50. Students in Applied Science should also make provision for deposits for apparatus ranging from \$10 to \$40.

who have spent at least a portion of a year at Columbia, and thus have become personally known to members of this Committee or to other officers. No prospective student should come to Columbia depending entirely or even largely upon the assistance of the Committee, but should be prepared to meet at least the expenses of the first half-year—say two hundred and fifty dollars.

All the heads of clinics in the Medical School have consented to give advice without charge to students who are on the lists of the Committee, and who present cards of introduction from its Secretary. Such visitors are received, as a general rule, during office hours at private offices. This insures to students who need it the best medical advice in the city.

APPOINTMENT COMMITTEES

The duty of these Committees is to recommend graduates of the College or University for teaching or other positions in colleges and universities and to assist competent graduates to obtain such positions.

The Committees keep classified lists of those who wish employment and will be glad to be informed promptly of present or prospective vacancies in positions for which college-trained men or women are eligible.

No fees are charged for any service rendered by either committee.

University Appointment Committee

For positions in colleges and universities except in the Department of Education

Dr. JAMES HULME CANFIELD, Librarian of the University, Chairman; Professors HUTTON, SELIGMAN, CATTELL, TODD, KIRCHWEY, CARPENTER (G. R.), WHEELER, and THOMAS.

Communications in regard to vacancies and recommendations of suitable candidates for the same should be addressed to the Chairman, Library, Columbia University, New York.

University Appointment Committee

For college and university positions in Education, and for Administrative, Supervisory, and Teaching positions in Normal, Secondary, and Elementary Schools and Kindergartens

Professor JAMES E. RUSSELL, Dean of Teachers College, Chairman; Professors DUTTON, KEMP, McMURRY, SMITH (D. E.), and TRENT.

Communications should be addressed to the Chairman of the Committee, or to its secretary, Miss I. L. Pratt, Teachers College, Columbia University, New York.

FELLOWSHIPS, SCHOLARSHIPS AND PRIZES

(See Table of Contents)

SPECIAL FUNDS

(See Table of Contents)

PRIVILEGES IN OTHER INSTITUTIONS OPEN TO STUDENTS OF COLUMBIA UNIVERSITY

American Museum of Natural History

The American Museum of Natural History places its collection at the service of advanced students of Columbia University for the purposes of study and research, and provides them with the necessary facilities for work. The Director of the Museum is a member of the Faculty of Pure Science of the University.

Metropolitan Museum of Art

The Metropolitan Museum of Art admits students of Columbia University on presentation of cards of introduction from the Secretary of the University, and gives them permission to draw, sketch, or copy objects in the Museum.

Objects may be removed temporarily from exhibition for the purpose of special study, and students are allowed to study these objects in rooms specified for the purpose.

Theological Seminaries

The Union Theological Seminary and the General Theological Seminary admit, without tuition fee, such students of high standing in the senior year of Columbia College and in the graduate schools of the University as may be recommended by the President, to such lectures in their regular or special courses as may be mutually agreed upon. The privileges of the Libraries of the Seminaries, for reference, are open to all students of Columbia University on recommendation of the President. Reciprocal advantages are offered by the University to students of the Seminaries who are qualified to register as candidates for the higher degrees. The General Theological Seminary offers a scholarship to graduates of Columbia College; for details consult the Dean of the Seminary.

The University enjoys similar arrangements with the other theological seminaries in the vicinity of New York—the Jewish Theological Seminary (New York), Drew Theological Seminary (Madison, N. J.), St. Joseph's Theological Seminary (Yonkers, N. Y.), and New Brunswick (N. J.) Theological Seminary.

Botanical Garden

Columbia University has the right to conduct university courses in botany at the New York Botanical Garden and to use the laboratories and floral material of the same, and all courses of instruction given there are open to officers and students of the University without charge. For a description of the equipment of the Botanical Garden, see the statement of the Department of Botany (page 48).

Hospitals

Besides the Vanderbilt Clinic and the Sloane Maternity Hospital, the general and special hospitals of New York afford most important

fields for clinical teaching. The College of Physicians and Surgeons is strongly represented on the staff of these institutions, and regular clinical instruction at hospitals is made a prominent feature of the program. Admission is free to all matriculated students of the College of Physicians and Surgeons.

PUBLIC LECTURES

The University conducts annually a single course of public lectures by some eminent authority at the Cooper Union (these are known as the Hewitt lectures), and has made arrangements to conduct similar courses in alternate years at the American Museum of Natural History (the Jesup lectures) and at the Metropolitan Museum of Art. The Hewitt lecturer for 1905-06 is Professor Cohn. During the year many public lectures are also delivered at the University, several of the departments of instruction presenting courses each year. Information as to all public lectures under the auspices of the University will be furnished by the Secretary.

THE LIBRARY

JAMES H. CANFIELD.....	<i>Librarian</i>
CHARLES A. NELSON.....	<i>Head Reference Librarian and Editor of Library Publications</i>
EDWARD R. SMITH.....	<i>Reference Librarian, Avery Library</i>
—————	<i>Reference Librarian, Law Library</i>
VLADIMIR GR. SIMKHOVITCH.....	<i>Bibliographer</i>
MARGARET VAN ZANDT.....	<i>Supervisor, Order Department</i>
HARRIET B. PRESCOTT.....	<i>Supervisor, Catalogue Department</i>
FREDERIC W. ERB....	<i>Supervisor, Loan Division, Readers' Department</i>
FRANK C. ERB.....	<i>Supervisor, Shelf Department</i>

The Library is open each week-day (except Thanksgiving, Christmas, Good Friday, and Independence Day) from 8.30 A.M. until 11 P.M., October-June; and until 10 P.M., July-September. All officers, students, and graduates of the University have free access to the Library and may draw books for home use.

Officers of the New York University and of the College of the City of New York are granted the same Library privileges as are extended to graduates of Columbia University.

Persons of mature years desiring to engage in definite research which cannot be successfully conducted in the public or other libraries of this city will be given the privilege of using this Library in the building, upon filing a satisfactory application, responsibly endorsed. Blank applications will be furnished by the Librarian on request.

About 10,000 carefully selected reference books and the most important works on all subjects, in standard editions, representing the leading authors in all literatures, are placed in the general reading-room, directly accessible to all readers.

Connected with the stacks in which are stored the books relating

especially to Philosophy, Education, Literature, the Languages, the Sociologic and Economic Sciences, Public Law, and History, are twenty special study rooms, open only to authorized readers; thus affording advanced students and investigators in these fields the fullest opportunity to carry on their work in quiet rooms in the immediate vicinity of the literature of the subjects under consideration.

The Library contains about 380,000 volumes, exclusive of unbound pamphlets and duplicates, and some 30,000 German dissertations.

Among the notable special collections may be mentioned the Columbiana, 2000 titles: the Phoenix Library, consisting of 7000 volumes, the gift of Stephen Whitney Phoenix, of the Class of 1859; the Avery Architectural Library, a collection of about 17,000 volumes relating to architecture and decorative art; the Mary Queen of Scots Library, containing 550 volumes, collected and given by General J. Watts de Peyster; the collection of over 1200 volumes by and about Goethe; the Immanuel Kant collection of nearly 1000 volumes; the valuable Townsend Library of National, State, and Individual War Records; the Garden Library, deposited by the Southern Society of New York; the large and valuable library of the Holland Society of New York, 600 volumes, including the remarkable collection of works of Grotius; and the Library of the American Mathematical Society, 1200 volumes. The Library is also the depository for the American Association for the Advancement of Science, and for the Reform Club of the City of New York.

The entire Library is carefully and accurately catalogued both by authors and subjects. The catalogue is on cards accessible to readers.

THE GYMNASIUM

(See page 141)

STUDENT ORGANIZATIONS

The various student organizations, athletic and other, are self-governing, but all budgets for expenditures must be approved by the Comptroller of Student Organizations, an officer appointed by the President: and each organization is required to keep an accurate record of its financial operations in the office of the Director. The schedules of each team or other organization representing the University before the public are under the supervision of the Committee on Student Organizations. The President has also appointed a University Committee on Athletics, consisting of three graduates and two students, and empowered it to adopt and administer rules of eligibility, not involving questions of scholarship, and to govern the participation of students of Columbia University in intercollegiate athletics in accordance therewith. A pamphlet giving full information regarding the organization and administration of athletic sports and other student organizations at the University may be obtained from the Secretary of the University.

UNIVERSITY COMMONS

With the opening of the Residence Halls, a University Commons for the accommodation of the men living in Hall has become necessary. After a careful investigation of the methods at other universities, a combination system of *table d'hôte* and *à la carte* has been adopted. A weekly ticket, good for twenty-one meals, costs \$3. This entitles a man to all the fruit, cereal, vegetables, bread, rolls, butter, tea, milk, coffee, soup, and dessert he desires. For meat, fish, and eggs an extra charge is made, but this is kept as low as possible. Thus far the average total cost per man has been about \$4.65 weekly. The Commons is open from 7.30 A.M. to 7 P.M.

RESIDENCE HALLS

For Men

Hartley Hall, a memorial to the late Marcellus Hartley, and Livingston Hall, University dormitories on South Field, with accommodations for 500 men, were opened in September, 1905. These buildings are of stone and overburned brick, harmonizing in style with the present buildings. The floors and partitions are of re-enforced concrete construction. Each building is 10 stories in height exclusive of basement, and 137 feet long by 60 feet wide. They are lighted throughout by electricity and heated by steam, with telephone connection on each floor. There are four electric passenger elevators, with freight compartments. Trunks and supplies are brought in at the street side of the connecting building.

The two dormitories contain 600 rooms, both single and double, all being outside rooms; their arrangement permits of flexibility in renting the rooms in suites. The average size of the bedrooms is about 8 feet by 14.6. The studies average 10 by 14.6 feet. All rooms are nine feet high. Each bedroom has a clothes-closet and an enamelled basin with hot and cold water, and is provided with heavy oak furniture. There are four shower-baths on each floor.

The only entrance to each building for students is on the side facing the campus, and leads directly into an assembly room 60 feet square. This room runs up through two stories and has a large open fireplace opposite the entrance.

While Hartley Hall and Livingston Hall are open to all male students of the University, students in Columbia College, in accordance with the desire of the donors, Mrs. Helen Hartley Jenkins and Mr. Marcellus Hartley Dodge, '03, are given the preference in the assignment of rooms in Hartley Hall.

The average weekly charge for a single room is \$3.30, or \$129 for the academic year of thirty-nine weeks. A pamphlet containing floor-plans of the buildings and indicating the charge for each room may be had upon application to the Secretary of the University. The

pamphlet contains also the Hall Regulations. Rooms will be assigned in the order of receipt of applications therefor. All such applications should be made in writing on a blank which will be provided by the Superintendent of Buildings and Grounds.

For Women

Whittier Hall, a dormitory building under the supervision of the authorities of Teachers College, is situated on Amsterdam Avenue, between 120th and 121st Streets, and has accommodations for 350 women. Inquiries regarding rooms, board, and the like, should be addressed to *The Secretary*, Whittier Hall, 1230 Amsterdam Avenue.

OTHER LIVING ACCOMMODATIONS

Besides these dormitories, there are many good boarding-houses and apartments near the University. The careful selection, inspection, and registration of such lodgings, etc., have been undertaken, and a card-catalogue of apartments, rooms, etc., is kept at Earl Hall.

EARL HALL

Earl Hall is the home of the religious, philanthropic, and social organizations and interests of the University. The first floor contains a general reception and social room, the office of the Secretary, two classrooms or committee rooms, a small auditorium, and a large and well-equipped reading-room. On the second floor is a special reference library for students of mission work, a small room for social purposes, and the large auditorium. The Hall is open from 8.30 A.M. to 10 P.M. daily, to all students of the University without expense, and is under the general control of a Committee of Officers and Alumni, and under the direct management of the Secretary of Earl Hall, who is also Secretary of the University Young Men's Christian Association.

The building may not be used for distinctly dogmatic or denominational religious teaching. All organizations the objects of which are to promote the religious and philanthropic life of their student members and of the student body at large have the privilege of holding their meetings in this building. While the social purposes of the Hall are necessarily subordinated to the other uses of the building, the Advisory Committee desires to promote the same type of informal personal and social intercourse that prevails in a good club.

Provision for the regular meetings of student organizations is made, on a day-and-hour schedule, without exclusive use of any of the rooms, in the following order: societies the purpose of which is (1) primarily religious; (2) primarily philanthropic; (3) primarily literary; and (4) miscellaneous student organizations.

Mr. W. O. Satterwhite is the Secretary, and the Committee is constituted as follows:

JAMES H. CANFIELD, *Chairman.*

T. LUDLOW CHRYSTIE,	WILLIAM G. LOW, Jr.,
CLEVELAND H. DODGE,	V. EVERIT MACY,
MARCELLUS H. DODGE,	WM. FELLOWES MORGAN,
JAMES ALEXANDER EDWARDS,	WILLIAM H. SAGE,
THOMAS EWING, Jr.,	HERBERT L. SATTERLEE,
LAURA D. GILL,	Professor WM. M. SLOANE,
Rev. SHEPHERD KNAPP, Jr.,	ALEXANDER H. SMITH.

MEDICAL VISITOR

For the benefit of those members of the University who are without family physicians in New York City the Trustees have designated a Medical Visitor of the University, whose duties are to render medical assistance to such officers and students as may desire it, either at their homes or elsewhere, at a remuneration to be arranged between himself and individual patients. The Medical Visitor is Dr. D. S. D. Jessup, whose office is at No. 301 West 108th Street (telephone 2741 Riverside). His office hours are from 5 to 6 P.M. daily, or by appointment at his office.

PUBLIC WORSHIP AND RELIGIOUS WORK

A University Chapel, for which provision has been made through the generosity of anonymous donors, is now in course of erection. It is cruciform in shape, the greatest length being 122 feet and the width at the transepts 77 feet. In all nearly 1000 sittings will be provided, of which 120 are in the choir, which can itself be used for a religious service at which the attendance is small.

At present service is held every week-day, except Saturday, in the auditorium of Earl Hall, at 8.45 A.M. The service lasts fifteen minutes, in which time there are singing, reading the Scriptures, prayers and an address by the Chaplain or some other officer of the University. Attendance is wholly voluntary. All officers and students of the University are invited to attend.

DIVISIONAL AND DEPARTMENTAL STATEMENTS

INTRODUCTORY

Courses prescribed in Columbia College are designated by the letters A, B. In numbered courses, odd numbers indicate the first, even numbers the second half-year. A course designated thus, 1-2, 21-22, etc., runs through both half-years beginning in September. Courses numbered between 1 and 100 are in general elementary and may not be counted toward the higher degrees. The courses from 51-100 are in general prescribed for one or other of the professional degrees. Courses numbered from 101-200 are primarily for students who hold the first degree, but are open to undergraduates who have fulfilled the prerequisites. No such course may be taken by a candidate for the degree of A.B. or B.S. who has not completed the work prescribed for the first degree. These courses count one point toward the degree of A.B. or B.S. for each hour of work for each half-year, except that two hours of laboratory work count as one point.

Courses numbered from 200 up are for graduate students only.

Consult the index for any subject of study not appearing in its alphabetical order. In addition to the following courses, courses in a large number of subjects are offered in the Summer Session and in Extension Teaching. (See the Table of Contents or, for more detailed information, the separately printed *Announcements* of the Summer Session and of Extension Teaching.)

When an announced course has not been applied for by at least three candidates for a degree, the instructor may withdraw it.

Anatomy

GEORGE SUMNER HUNTINGTON, M.D., Sc.D.....	<i>Professor</i>
BERN BUDD GALLAUDET, M.D.....	<i>Adjunct Professor</i>
ARTHUR S. VOSBURGH, M.D.....	<i>Demonstrator</i>
HENRY E. HALE, M.D.....	<i>Demonstrator</i>
WILLIAM DARRACH, M.D.....	<i>Demonstrator</i>

C. R. L. PUTNAM, M.D.....	<i>Demonstrator</i>
H. VON W. SCHULTE, M.D.....	<i>Demonstrator</i>
E. A. SPITZKA, M.D.....	<i>Demonstrator</i>
FREDERICK T. VAN BEUREN, Jr., M.D.....	<i>Demonstrator</i>
HUGH AUCHINCLOSS, M.D.....	<i>Demonstrator</i>
ROLFE FLOYD, M.D.....	<i>Lecturer</i>

Courses 3-4, 5-6, 7-8, and 16 are required in the first year of candidates for the degree of M.D.

Courses 1-2, 9-10, 11-12, 13-14, and 15 are required in the second year of candidates for the degree of M.D.

Course 24 cannot be counted for a degree. It is open to teachers and qualified graduate students.

Course 145-146 is open to students of the first and second years.

None of the courses of the Department of Anatomy are open to women.

Courses

1-2—Vertebrate morphology—Anatomy of the body cavities—Visceral and topographical course—Thorax and abdomen. Lectures combined with demonstrations. 3 hours. Professor HUNTINGTON,

3-4—Demonstrations to sections of the class—Cranial osteology; syndesmology, myology, peripheral nervous system, and angiology of the head and neck. 1 hour. Dr. SCHULTE

5-6—Demonstrations to sections of the class—Osteology, syndesmology, myology, peripheral nervous system, and angiology of the extremities. 2 hours. Drs. VOSBURGH and VAN BEUREN

These courses are so arranged as to maintain, with reference to the subjects treated, a direct connection with the laboratory course in dissection, 7-8.

7-8—Laboratory course—Dissection of the human body. 18 to 20 hours a week, at various hours, for from 3 to 5 periods of 4 weeks each. Professor HUNTINGTON, Professor GALLAUDET, and the DEMONSTRATORS OF ANATOMY

9-10—Laboratory course—Dissection of the human body. 10 to 12 hours a week for from 6 to 11 weeks. Professor HUNTINGTON, Professor GALLAUDET, and the DEMONSTRATORS OF ANATOMY

11-12—Demonstrations to sections of the class—Anatomy of the mouth, pharynx, and larynx—The auditory apparatus—The central nervous system. 3 hours. Professor GALLAUDET

13-14—Demonstrations to sections of the class—Visceral anatomy. This course preserves an organic connection with Course 1-2, and presents for direct examination and demonstration the preparations serving to illustrate that course. 2 hours. Dr. DARRACH

15—Demonstrations to sections of the class—Anatomy of the cranial nerves. 1 hour. Dr. SCHULTE

16—Course in mammalian morphology—Introductory to Physiology. 2 hours a week for 8 weeks. Professor HUNTINGTON and Dr. DARRACH

Research

117-118—The laboratory of animal morphology is open for research, under the direction of the professor, to advanced workers. Professor HUNTINGTON

119-120—Comparative morphology of the carpus—A comparative study of the carpus in vertebrates above fishes, with especial reference to the homologies of the components, their evolution and significance, and their mutual relations in amphibia, reptiles, birds, and mammals. Professor HUNTINGTON and Dr. DARRACH

121-122—Comparative morphology of the respiratory apparatus in mammalia, sauropsida, and batrachia—Evolution of the composite mammalian lung from the air-sac—Morphology of mammalian bronchial tree—Construction of terminal branches and end spaces—Skeletal and other modifications of the respiratory apparatus in birds. Professor HUNTINGTON and Dr. DARRACH

123-124—Comparative morphology of the central nervous system—Demonstration and laboratory course—Detailed work in brain of cod, frog, turtle, bird, and mammal. Professor HUNTINGTON and Dr. DARRACH

125-126—Comparative myology. (a) Appendicular muscles. (b) Vento-appendicular muscles. (c) Muscles of the foot. Professor HUNTINGTON and Dr. DARRACH

127-128—Human and comparative morphology of the auditory apparatus. Professor HUNTINGTON and Dr. DARRACH

129-130—Comparative morphology of the upper respiratory passages, nares, larynx, epiglottis, syrinx. Professor HUNTINGTON and Dr. DARRACH

131-132—Comparative morphology of the uro-genital system. Professor HUNTINGTON and Dr. DARRACH

133-134—Cranial topography. Professor HUNTINGTON and Dr. DARRACH

This course is designed for advanced students possessing a knowledge of the gross morphology of the human brain.

Pre-requisite: Course 11-12 or its equivalent.

135-136—Comparative morphology of the heart and vascular system—Development and modification of the venous system in vertebrates. Professor HUNTINGTON and Dr. DARRACH

137-138—Comparative morphology of the alimentary tract and digestive glands—Anatomy of the peritoneum. Professor HUNTINGTON and Dr. DARRACH

139-140—Comparative morphology of the cæcum and ileo-colic

junction in vertebrates—Detailed study of the modification of the structures and their vascular and serous relations. Professor HUNTINGTON and Dr. DARRACH

141-142—Topography of the pelvic viscera, muscles, and fasciæ. Professor HUNTINGTON and Dr. DARRACH

143-144—Anatomical technology and museum methods. Professor HUNTINGTON and Dr. DARRACH

145-146—Course of lectures on variation and heredity given at the beginning of the year. Dr. FLOYD

In all courses offered in morphology the work is designed to be laboratory exercises of at least two continuous hours' duration, at any one exercise, supplemented in certain courses by demonstration and study of material contained in the Museum of Human and Comparative Anatomy and in the study collections of the department.

The time required for the above courses, if offered as minors for the degree of A.M. or Ph.D., or if taken as optionals, is half a day per week from October to April.

The demands on laboratory space and teaching force render it necessary to limit the number of candidates admitted to these courses.

A series of university lectures and demonstrations based on the material contained in the morphological museum is given annually.

These lectures are incorporated in Course 1-2 and deal with the comparative anatomy of the circulatory, respiratory, alimentary, and uro-genital systems of vertebrates, together with certain portions of the skeletons, as the pectoral and pelvic girdles. The lectures are open to students under the Faculty of Pure Science. Details of subjects and dates will be furnished on application to the department.

Anatomical Laboratories

The laboratory facilities of the Department of Anatomy are very complete. The large general dissecting-room accommodates from 390 to 546 students at a time, working in groups of five or seven, respectively, at one table.

The laboratory for advanced morphological research occupies the third story of the anatomical building. Every facility for advanced and research work in morphology is here extended. The established connections of the department furnish abundant human and comparative material, both mature and embryonal. The private library of the Professor of Anatomy is at the disposal of advanced workers.

Museum of Human and Comparative Anatomy

Much work has been done in the formation of a Museum of Human and Comparative Anatomy, the ultimate design of which is to present, in as complete a manner as possible, a view of the evolution of the forms of animal life, and of their natural relations, both in series of

natural groups, and in the comparative and relative positions of organs and systems. Even the approximate attainment of this aim will require much time and work, but sufficient progress has been made to enable the department to offer great facilities for study and research. The collection, both as regards groups and the individual preparations, is designed for the illustration of both elementary and advanced courses, and is largely used in the instruction of the medical undergraduates and in advanced study and research. The anatomical building provides the opportunity for the further development of this invaluable portion of the departmental equipment. The first and second stories of the building are devoted to the morphological museum and it is hoped that in the space thus provided the continued development of scientific anatomy, both for purposes of undergraduate instruction and of advanced research, will steadily proceed.

In addition to the museum collection proper the department is constantly adding to a large collection for advanced study and research.

A study-collection of human osteological preparations is so administered as to enable every student to take out the different osteological series and retain them for private study as long as required.

Anthropology

FRANZ BOAS, Ph. D.....	<i>Professor</i>
LIVINGSTON FARRAND, A.M., M.D.....	<i>Professor</i>
MARSHALL H. SAVILLE.....	<i>Loubat Professor of American Archæology</i>
CLARK WISSLER, Ph.D.....	<i>Lecturer</i>
ADOLPH F. BANDELIER.....	<i>Lecturer</i>
BERTHOLD LAUFER, Ph.D.....	<i>Lecturer</i>

All courses except 107-108, 119-120, and 123 are open to women.

Courses

For the significance of course numbers see page 36

101-102—Anthropology, general introductory course—Lectures, essays, and discussions. 2 hours. Professor FARRAND

103-104—Prehistoric Archæology—Lectures, essays, and discussions. 2 hours. Professor SAVILLE and Dr. BERKEY (of the Department of Geology)

105-106—General ethnography. Introductory course.—Lectures, essays, and discussions. 2 hours. Dr. WISSLER

107-108—Ethnology—Primitive culture—Lectures, papers, and discussions. 2 hours. Professor FARRAND

109-110—Ethnography of America and Siberia. 2 hours. Professor BOAS

[111-112—Ethnography of Africa, Australia, and of the Islands of the Pacific Ocean. 2 hours.

Not given in 1905-06.]

113-114—Ethnography of Eastern Asia with special reference to China. 2 hours. Dr. LAUFER

115-116—Archæology of Mexico and Central America. 2 hours. Professor SAVILLE

117-118—American languages—Lectures and discussions. 2 hours. Professor BOAS

119-120—Morphology with special reference to Physical Anthropology. Same as Anatomy 26. Professor HUNTINGTON

121-122—The statistical study of variation. 2 hours lectures and 3 hours laboratory. Professor BOAS and Dr. WISSLER

123—The statistical treatment of anatomical and physiological data. 1 hour. Professor BOAS

125-126—Early Spanish sources for American ethnography. 2 hours. Mr. BANDELIER

Laboratory work in Physical Anthropology is carried on in the Anatomical Department of the University and in the Anthropological Department of the American Museum of Natural History.

The collections and apparatus of the American Museum of Natural History may be used by students of Anthropology. The extensive collection of ethnological and archæological material in the Museum are utilized in connection with the lectures given in the department and are available for research work.

Architecture

ALFRED D. F. HAMLIN, A.M. . . . *Professor of the History of Architecture*
 FRANK DEMPSTER SHERMAN, Ph.B. *Professor of Graphics*
 MAXIMILIAN K. KRESS, A.M. *Adjunct Professor of Architecture*
 CHARLES FOLLEN MCKIM, Litt.D. *Director of Atelier*
 THOMAS HASTINGS. *Director of Atelier*
 CHARLES A. HARRIMAN. *Instructor in Architectural Drawing*
 GRENVILLE T. SNELLING, B.S. . . *Instructor in Architectural Engineering*
 ALFRED H. GUMAER, B.S. *Instructor in Architectural Design*
 CHARLES P. WARREN, A.M. *Tutor in Architectural Construction*
 WILLIAM A. DELANO, A.B. . . *Tutor in Architectural Drawing and Design*
 JOHN V. VAN PELT, Diplôme de l' École des Beaux-Arts. . . . *Associate
 Director of Atelier*
 JOHN RUSSELL POPE, Ph.B. *Associate Director of Atelier*
 EDWARD R. SMITH, A.B. *Curator of the Avery Library*

WILLIAM R. WARE, LL.D. *Emeritus Professor of Architecture*

For information as to the courses of study leading to the degree of Bachelor of Architecture and to the Certificate in Architecture see page 285.

Advanced courses both in design and in construction are offered to

graduates of schools of science and schools of architecture, and professional draughtsmen of mature age are received as special students, not candidates for a degree, into such courses as they are qualified to pursue.

Courses 1, 2, 3, 5, 6, 11-12, 13-14, 21-22, 23-24, 25-26, 31-32, 33-34, 35-36, 51-52, 53, 54, 61-62, 71-72, 73-74, 75-76, and 77-78 are open as electives to students in the College who have had the specified prerequisites.

For a detailed description of the work in Architecture, consult the Fine Arts Announcement.

Courses

For the significance of course numbers see page 36

1—The elements of architecture—Mouldings, the orders, intercolumniation and superposition, balustrades, arcades, doors, windows, roofs, spires, vaults, domes. 1 hour, first term, first year. Text-book: Ware, *The American Vignola*. Mr. GUMAER

2—Applied elements—Exercises in application of the orders and other features in elementary design. 12½ hours, second half of first year. Mr. GUAMER

3—Architectural drawing—Drawing and rendering of plans, elevations, sections, and details with pen and with brush, in India ink and water-color; skies, clouds, backgrounds, foliage, and accessories; measured drawings from buildings. 12½ hours, first half-year. Mr. HARRIMAN

5—Graphics—Shades and shadows, projections and intersections. 2 hours lectures, 2 hours in draughting room, first half-year. Professor SHERMAN

6—Perspective. 2 hours, second term. Twelve plates required. Professor SHERMAN

7—Descriptive geometry. 2 hours lectures, 2 hours in draughting room, first half-year. Twelve plates required. Professor SHERMAN

8—Stereotomy. 2 hours lectures, second half-year. Professor SHERMAN

9-10—Graphical analysis (for candidates for the certificate)—Applications of graphical methods to mathematical computations. Professor SHERMAN

11-12—Specifications—Masonry and brickwork; woodwork; iron-work; plumbing, heating, and ventilation; electric installation. Lectures and discussion of model specification. 3 hours, with 6 hours practice in draughting room every other week. Mr. WARREN

13-14—Building materials—Building stones, cements, concrete, asphalt, terra-cotta; growth and preservation of wood; paints, glass, metals; fireproofing. 2 hours. Mr. WARREN

15-16—Elementary structural design (for candidates for the certificate)—Calculation of strains, forms, and sizes of members in structures by means of the tables and graphical processes. 2 hours. Mr. SNELLING

17-18—Engineering—Graphical statics and applied mechanics; structural problems. 6 hours lectures and 6 hours in draughting room every other week. Mr. SNELLING

21-22—Ancient architectural history. 3 hours. Text-books: Reber, *History of Ancient Art*, and Collignon, *Archéologie Grecque*. Professor KRESS

23-24—Mediæval architectural history—Early Christian, Byzantine, Romanesque, Gothic, and Oriental architecture. 2 hours lectures, with collateral reading of French and German text-books (see 43-44), and 12½ hours original research in library and drawing-room during six weeks of the second half-year. Exercises in historical design (see 61-64). Text-book: Hamlin, *History of Architecture*. Professors HAMLIN and KRESS

24a—Architectural essays—Papers prepared in connection with the historical research on mediæval history, second half-year. Professor HAMLIN

25-26—Modern architectural history—The Renaissance, modern revivals, and American architecture. 2 hours lectures and 12½ hours research in library and drawing-room during six weeks of second half-year. Exercises in historical design (see 61-64). Text-books: Palustre, *L'Architecture de la Renaissance*; Hamlin, *History of Architecture*. Professors HAMLIN and KRESS

26a—Architectural essays—Papers prepared in connection with historical research on modern history, second half-year. Professor HAMLIN

31-32—History of ancient ornament—The decorative forms of Egyptian, Assyrian, Greek, and Roman art. 1 hour, first year. Professor KRESS

33-34—History of mediæval ornament—Early Christian, Byzantine, Gothic, and Oriental ornament. 1 hour, with exercises in decorative design. Professor HAMLIN

35-36—History of modern ornament—Renaissance and modern ornament. 1 hour, with exercises in decorative design. Professor HAMLIN

41-42—Historical reading in French. 2 hours. Text-book: Collignon, *Archéologie Grecque* (in connection with 21-22). Professor KRESS

43-44—Historical reading in French and German. 2 hours. Text-books: Corroyer, *L'Architecture Gothique*; Hauser, *Styl-lehre des Mittelalters* (in connection with 23-24). Professor KRESS

51-52—Theory of architecture—Elements of the theory of design; planning, composition, scale, expression. 1 hour. Mr. GUMAER

53—Theory of decorative arts—Mosaic, stained glass, mural decoration, ceramics, metal work. 1 hour, first half-year. Mr. GUMAER

54—Theory of color—Scientific theory of the spectral and pigmental colors; contrast and harmony; mixing of colors; decorative applications. 1 hour, second half-year. Professor HAMLIN

55—Theory of professional practice—Professional relations, contracts, competitions, conduct of office. 1 hour, first half-year. Professor HAMLIN; supplemented by lectures from leading practitioners of architecture and the decorative arts.

61-62—Elementary design—Exercises chiefly in composition of exteriors; problems and sketch designs. 14½ hours, first half-year, and for 8 weeks of second half-year. Professor MCKIM, Professor HASTINGS, Mr. POPE, Mr. VAN PELT, Mr. DELANO, and Mr. GUMAER (**1, 2, and 3** prerequisite)

63-64—Intermediate design—Problems and sketch designs, including both planning and composition. 14½ hours, first half-year, and for 8 weeks of second half-year. Professor MCKIM, Professor HASTINGS, Mr. POPE, Mr. VAN PELT, Mr. GUMAER, and Mr. DELANO (see **161 and 261**) (**61-62** prerequisite)

71-72—Freehand drawing—Elementary course; outline drawing and drawing from small casts. 5 hours, first year. Mr. HARRIMAN

72a—Summer work—Drawings and designs to be executed during the summer vacation following the first year of residence

73-74—Freehand drawing—Intermediate course; pen-drawing, water-colors, modelling. 8 hours. Mr. HARRIMAN and Mr. SMITH (**71-72** prerequisite)

74a—Summer work—Drawings and designs to be executed during the summer vacation following the second year of residence

75-76—Drawing from the cast—Freehand drawing in charcoal and crayon from large casts chiefly of architectural ornament. 5 hours. Mr. HARRIMAN

76a—Summer work—Drawings and designs to be executed during the summer vacation following the third year of residence

77-78—Advanced drawing—From the antique and from life. 6 hours (at the studios of the National Academy of Design)

113-114—Advanced practice—Practical course in preparing drawings and specifications (for students who do not elect Advanced Design). 6 to 12 hours weekly in draughting room. Mr. WARREN

117-118—Advanced engineering—Practical course in engineering design and calculation (taken in connection with **113-114** by students who do not elect Advanced Design). 24 hours. Mr. SNELLING

128a—Advanced essays—One summer vacation essay on an architectural subject (research or criticism); thesis dissertation previous to graduation

161-162—Advanced design—Problems and sketch designs of an

advanced and monumental character. 20 to 30 hours. Professor McKIM, Professor HASTINGS, Mr. POPE, Mr. VAN PELT, Mr. GUMAER, and Mr. DELANO (63-64 prerequisite)

164—Thesis—Problem in advanced design or research; drawings with accompanying dissertation. 20-30 hours for 8 to 12 weeks previous to graduation. Professor McKIM, Professor HASTINGS, Mr. POPE, Mr. VAN PELT, Mr. GUMAER, and Mr. DELANO

213-214—Postgraduate course in practice—Original investigations and accompanying reports on heating, ventilation, electric installation, and acoustics. 6 hours. Mr. WARREN

217-218—Postgraduate course in engineering—Four advanced problems in structural design of complex buildings. 20 to 30 hours. Mr. SNELLING

221-222—Postgraduate essays—Original research with accompanying reports; investigation, analysis, and criticism of architecture. 4 to 6 hours. Professor HAMLIN

261-262—Postgraduate design—Advanced problems in monumental design, landscape grouping, etc. 20 to 30 hours. Professor McKIM, Professor HASTINGS, Mr. POPE, Mr. VAN PELT, Mr. GUMAER, and Mr. DELANO

Astronomy

JOHN KROM REES, E.M., Ph.D.....*Rutherford Professor*
HAROLD JACOBY, Ph.D.....*Professor, and acting head of Department*
CHARLES LANE POOR, Ph.D.....*Professor*
S. ALFRED MITCHELL, Ph.D.....*Tutor*

Preliminary Statement

For a more detailed statement see *Announcement of the Division of Mathematical and Physical Science*.

Courses 101-102 and 103-104 are open to students in Barnard College; no courses are given separately at Barnard College.

All courses may be counted towards the degree of Master of Arts or Doctor of Philosophy; all, except 105-106, 107, 109, are open to graduate women students upon the same terms as to men. For details see the above-mentioned *Announcement*.

The following courses, or their equivalents, are required as pre-requisites.

For Courses 101-102, Mathematics A¹-A², Physics 3-4; for Course 103-104, Astronomy 101-102, Mathematics 2; for Course 105-106, Physics 3-4, Mathematics 5-6; for Course 107, Astronomy 105-106, Civil Engineering 15 and 16; for Course 109, Astronomy, 107; for Courses 201-202, 203-204, 205-206, 209-210, Astronomy 103-104 and Mathematics 5-6; for Course 207-208, Mathematics 5-6; for Course

211-212, Astronomy 209-210; for Course 213-214, Astronomy 101-102, and Mathematics 5-6.

Courses 105-106 are required of students in the Civil and Sanitary Engineering courses during the third year, 107 between the third and fourth years, 109 in the fourth year.

Courses

For the significance of course numbers see page 36

101-102—General Astronomy—Historical and descriptive. 2 hours
Professor POOR

103-104—Spherical and practical astronomy—Mainly the study and use of the sextant for time and latitude determinations, and the transit instrument. 2 hours lectures and 2 hours observatory work.
Professor JACOBY

105—Geodesy—Brief history of geodetic operations and description of instruments, including their adjustment and use. 2 hours. Dr. MITCHELL

106—Geodesy—Applications of practical astronomy to geodetic surveying. 2 hours. Dr. MITCHELL

107—Geodesy—Summer course in practical geodesy. Given in the field, each student making his own observations and calculations

Six weeks of practical work from June 1, at Osterville, Mass. Professor JACOBY and Dr. MITCHELL with assistants

109—Geodesy—Derivation of formulæ used in summer-course work, adjustment of observations, followed by several lectures on descriptive astronomy. 2 hours. Dr. MITCHELL

201-202—Advanced spherical and practical astronomy—Deals with the subjects of time, latitude, and longitude. 2 hours lectures and 4 hours observatory work for two years. Professor JACOBY

203-204—Theoretical astronomy—Theory of comet orbits with practical applications. 1 hour, supplemented by computation, for two years. Professor POOR

205-206—Theory and method of reduction of photographic star plates—Determination of star places. 1 hour, with practical work, for two years. Professor JACOBY

207-208—Method of least squares, with applications to astronomy and geodesy. 1 hour for one year. Professor JACOBY

209-210—Celestial mechanics—Elementary course. 1 hour for one year. Professor POOR

211-212—Advanced course in celestial mechanics. 1 hour for one or two years

213-214—Astronomical spectroscopy. 1 hour supplemented by laboratory work. Dr. MITCHELL

Astronomical and Geodetic Equipment

The University has a very complete collection of instruments for the application of astronomy to geodesy, such as are employed in determining latitude and longitude at primary geodetic stations of the first importance.

1. A Bamberg universal combined prismatic transit and zenith telescope of 10-cm. aperture. It is one of the newest, and probably finest instruments of its class yet constructed.
2. A Wanschaff zenith telescope of 8-cm. aperture, suitable for latitude measures of the highest precision.
3. Three microscope theodolites.
4. A U. S. Coast Survey pattern secondary bar base apparatus.
5. A tape base apparatus.
6. Complete outfit of engineer's instruments, sextants, apparatus for barometric hypsometry, clocks, chronometers, chronographs, etc.
7. Five computing machines.

A new first-class microscope theodolite is being made for the Department, and will be received during the current year.

For the advanced study of astronomy proper, two Repsold measuring machines of the latest type are mounted for use, and the department has a large collection of original astronomical photographs made by Gill at the Cape of Good Hope, Rutherford at New York, Donner at Helsingfors, Henry at Paris, Campbell at Mt. Hamilton, etc. Ample funds are provided for the publication of researches in astronomical photography.

For research work in astrophysics (Courses 213-214) students are limited to laboratory experiments, for which purpose they have access to the well-equipped laboratories of the Department of Physics.

In addition to the above, the University possesses a number of unmounted instruments; among them the late Lewis Morris Rutherford's famous 13-inch equatorial, with its attachments.

The Department of Astronomy has a good working library; and the University Library is especially strong in astronomy. Among other important collections, it contains the private library of the late Dr. Otto Struve, formerly director of the Pulkowa Observatory.

Bacteriology and Hygiene

(See note under Pathology, page 131).

PHILIP HANSON HISS, Jr., M.D. *Adjunct Professor of Bacteriology*

AUGUSTUS B. WADSWORTH, M.D.....*Instructor in Bacteriology and
Alonzo Clark Scholar*

CLINTON BEECHAM KNAPP, M.D.....*Assistant in Bacteriology and Hygiene*

HANS ZINSSER, M.D.....Assistant in Bacteriology and Hygiene

Courses

Further details respecting the following courses are to be found in the special Bulletin of Information of the College of Physicians and Surgeons.

Course **51** is required in the second year of candidates for the degree of M.D.

51—Practical instruction in bacteriology and hygiene, especially adapted to the requirements of students of medicine. 4 hours a week during the first half of the academic year. Professor HISS and Drs. WADSWORTH, KNAPP, and ZINSSER

201—Special laboratory course in advanced bacteriology and bacteriological technique. This course is given but once during the year and requires attendance at the laboratory for the entire afternoon in November, December, and January. Professor HISS and Dr. WADSWORTH

203—Special laboratory course—as under Course **201**—with additional study and determination of known species of bacteria. Special study of the chemical products formed in the growth of bacteria; practical work in photomicrography and the pursuit of some selected theme for original investigation. Attendance and hours as in Course **201**, with additional time, during the remainder of the academic year, for research. Professor HISS and Drs. WADSWORTH and LEAMING

Research

Research may be pursued in the laboratories of this department by a limited number of graduate students or practitioners of medicine or other advanced workers, under the direction of the Professor.

Equipment

The Department of Bacteriology occupies the western section of the fifth floor of the north wing of the building of the College of Physicians and Surgeons. It comprises a large laboratory for the accommodation of the undergraduate and advanced classes in bacteriology, a research laboratory for special advanced workers, and rooms thoroughly equipped for the preparation of culture media and for the chemical study of bacterial products.

The laboratories are well equipped with all necessary apparatus and with cold storage facilities. A large collection of bacterial species is kept under cultivation.

Botany

LUCIEN MARCUS UNDERWOOD, Ph.D. *Torrey Professor*
 NATHANIEL LORD BRITTON, Ph.D., Sc.D. *Emeritus Professor*
 FRANCIS ERNEST LLOYD, A.M. *Adjunct Professor in Teachers College*
 HERBERT MAULE RICHARDS, Sc.D. *Adjunct Professor in Barnard College*
 CARLTON CLARENCE CURTIS, Ph.D. *Tutor*
 TRACY ELLIOT HAZEN, Ph.D. *Tutor in Barnard College*
 CHESTER ARTHUR MATHEWSON, B.S. *Tutor in Teachers College*
 IRA DETRICH CARDIFF, B.S. *Assistant*
 MARION ELIZABETH LATHAM, A.M. *Assistant in Barnard College*

Certain graduate courses at the New York Botanical Garden are also given, either wholly or in part, by the following members of the Garden Staff:

DANIEL TREMBLY MACDOUGAL, Ph.D.....	<i>Assistant Director</i>
JOHN KUNKEL SMALL, Ph.D.....	<i>Curator of the Museums</i>
PER AXEL RYDBERG, Ph.D.....	<i>Assistant Curator</i>
ARTHUR HOLLICK, Ph.D.....	<i>Assistant Curator</i>
MARSHALL AVERY HOWE, Ph.D.....	<i>Assistant Curator</i>
WILLIAM ALPHONSO MURRILL, Ph.D.....	<i>Assistant Curator</i>
GEORGE VALENTINE NASH.....	<i>Curator of the Plantations</i>
HENRY HURD RUSBY, M.D.....	<i>Dean of the College of Pharmacy and Curator of Economic Collections</i>

Partial courses are also given by:

ELIZABETH GERTRUDE BRITTON

EDWARD SANDFORD BURGESS, Ph.D.

The undergraduate courses in Botany are arranged with the intention of giving a broad general knowledge of the subject during the first year, and permitting some degree of choice during the latter years; for those who continue the work as a graduate subject, the widest possible range of courses is open to the student's choice. Course 1 can be elected by any student, and if the subject be pursued consecutively for three years, the candidate will be ready to enter upon research work as a major subject. Two years would be sufficient for this preparation if the candidate elected two courses in Botany during the second year. Courses 1-4, and 101, or their equivalent, together with Course 102 or Course 5, according as the trend is toward morphology or physiology, form the necessary preparation for commencing a major subject in Botany. Courses 1-2, with any two additional courses or an equivalent, will be required as the necessary preparation for commencing a minor subject in Botany. Major and minor graduate courses will be arranged after conference with the head of the department.

Courses 200-239 are research courses, primarily for graduate students; all are open to women. Each consists of field or laboratory work, or both, for not less than ten hours for one year. Courses 232-3 and 234-5 require at least two years, including summer work in the field, and 200-1, 202-3, 206-7, 208-9, 216-17, three years each.

Courses 51-56 and 153-158 are given at Barnard College, and are primarily undergraduate courses for women.

Course 7 is required of first-year students in Civil Engineering.

Graduate students preparing for the profession of teaching are expected to take Education 12 at some time during their course of study.

Courses

For the significance of course numbers see page 36

1-2—Elementary botany—The general biological features of plants and the outlines of the evolution of plant types; with attention to the significance of morphological characters and the forces operative in

their development. 2 lectures and 4 hours laboratory work, counting as a 4-hour course. Dr. CURTIS and Mr. CARDIFF

3—Morphology of higher plants—Involving field work on adaptation of structure to physical conditions. 2 laboratory sessions. Dr. CURTIS

4—Morphology of lower plants. Detailed study of some group or groups of the lower plants. 2 laboratory sessions. This course naturally follows Course 3, to complete an elective for the year. Mr. CARDIFF

5—Botanical problems—Illustrating advanced methods of fixing, imbedding, sectioning, and staining. 2 laboratory sessions. Dr. CURTIS

6—Economic botany—Study of plants useful to man as food, medicine, timber, and fibre. Lecture and one laboratory session. Professor UNDERWOOD

7—Lectures on general botany—A brief review of plant structure and function, and the characters and relations of the leading groups of plants, with special attention to the study of timber trees and their identification. 1 lecture, assigned reading, field and laboratory work. Professor UNDERWOOD and Mr. CARDIFF

101-102—Plant physiology—A course in experimental physiology supplemented by selected readings and conferences. 2 laboratory sessions. Dr. CURTIS

NOTE.—In this and other courses in plant physiology the nature of the work occasionally requires attendance at the laboratory at unusual times.

201-202—General physiology—Problems in absorption, excretion, nutrition, and transformation of energy, growth, the general irritable organization of the plant, and the mechanism of its movements. Drs. CURTIS and MACDOUGAL and Professor RICHARDS

203-204—Physiological anatomy—Problems in the relationships of tissues and functions. Dr. CURTIS

205-206—Physiology of the cell—Problems in the chemical and the physical properties, movements, and irritability of unicellular and other generalized organisms. Dr. MACDOUGAL

207-208—Physiology of nutrition—Treated from a chemical standpoint. Professor RICHARDS

209-210—Ecological physiology—Problems in adaptive reactions in form, structure, and movements to external energy and environmental factors. Drs. MACDOUGAL and CURTIS

211-212—General plant pathology—Study of diseases caused by parasitic fungi and bacteria with special attention to the morphology of the pathological organism. Also problems in immunity, and effects of unfavorable environment. Requires two summers in the field. Dr. MURRILL

213-214—Morphology of spermatophyta—Study of the structure and development of the seed plants. Professor LLOYD and Dr. CURTIS

215-216—Experimental morphology—A study of the variation of form and structure, and the determination of the causes. Drs. MACDOUGAL and CURTIS and Professor LLOYD

217-218—Embryology of spermatophyta—Comparative embryology of special groups. Special embryological problems. Technique. With special work during two summers. Professor LLOYD

219-220—Morphology of pteridophyta—Study of the structure and development of the ferns and fern-allies. Professor UNDERWOOD

221-222—Morphology of bryophyta—Study of the structure and development of the musci and hepaticæ, with special reference to the diagnostic characters and relationships of the principal families and genera. Professor UNDERWOOD, Dr. HOWE, and Mrs. BRITTON

222-223—Morphology of algæ—Study of the structure and development of algæ, with special reference to the diagnostic characters and relationships of the principal families and genera. Dr. HOWE, Professor RICHARDS, and Dr. HAZEN

224-225—Morphology of fungi—Study of the structure, polymorphism and development of the fungi, including culture methods, with special reference to the diagnostic characters and relationships of the principal families and genera. Dr. MURRILL and Professor UNDERWOOD

226-227—Taxonomy of spermatophyta—Study of the principal families. Professor BRITTON, Drs. SMALL and RYDBERG

228-229—Taxonomy of gramineæ—Study of the diagnostic characters and relationships of the principal genera. Mr. NASH

230-231—Taxonomy of pteridophyta—Study of the diagnostic characters and relationships of the principal families and genera. Professor UNDERWOOD

232-233—Special taxonomy—Critical study of a family or genus of plants of not less than fifty species. The group may be chosen from the entire range of the vegetable world. Field, herbarium, laboratory, and garden work. Directed, according to the group chosen, by Professor UNDERWOOD, Professor BRITTON, Dr. HOWE, Dr. SMALL, Dr. RYDBERG, Mr. NASH, Professor BURGESS, and Mrs. BRITTON

234-235—Regional botany—Collection, determination, and comparative study of the plants of some restricted area. Professors UNDERWOOD and BRITTON

Pre-requisite: three years' work in botany.

236-237—Plant geography—Occurrence, characters, and arrangement of groups and formations. Relations of plant societies to one another, and to topographic, climatic, and other conditions. Factors governing distribution. Professor BRITTON, Dr. MACDOUGAL, Professor LLOYD and Dr. CURTIS

238-239—Developmental taxonomy—Fossil ancestors of some family of plants. Comparative study of form and structure. Dr. HOLLICK

In Barnard College

51-52—Elementary botany—Five hours, lectures, demonstrations, and laboratory work. Professor RICHARDS and Miss LATHAM

53-54—General morphology and development of plants—Two lectures, four hours of laboratory work.

Two additional hours of laboratory work may be taken, in which case Botany **53-54** will count as five points.

Course **53-54** should be preceded by **51-52**, but is open, on consultation with the instructors, to students of sufficient training who also either attend the lectures in **51-52** or elect the full six hours of laboratory work in Course **53-54**.

55-56—Morphology and ecology of phanerogams—With practice in determination of species. Four hours.

153—Anatomy of vascular plants—Two lectures and a minimum of six hours of laboratory work. Professor RICHARDS

154—Physiology of plants from standpoint of nutrition—Two lectures and a minimum of six hours of laboratory work. Professor RICHARDS

156—Physiology of plants from standpoint of growth—Two lectures and a minimum of six hours of laboratory work. Professor RICHARDS]

158—Structure and development of algæ—Advanced course. One lecture, six hours of laboratory work. Professor RICHARDS and Dr. HAZEN

Equipment

The Department of Botany occupies the third floor of Schermerhorn, and the laboratories and lecture-rooms are thoroughly equipped for undergraduate work. A large general laboratory, lecture-room, and morphological and physiological laboratories are supplied with modern instruments for instruction and experiment. A sufficient number of standard botanical works and serials on the subject are reserved for students' use in the general laboratory.

Graduate courses are conducted at the Museum of the New York Botanical Garden. By the agreement entered into between the University and the Garden, all the botanical collections and library of the University (except such works as are needed in the undergraduate courses) have been deposited in the Museum of the Botanical Garden at Bronx Park; the Garden on its part supplies all needed facilities for research for members of the staff and for properly accredited students. This combination of forces not only places the Department of Botany within reach of material equipment and collections not otherwise available, but opens up facilities for research work under conditions that are not excelled.

The Museum of the New York Botanical Garden is located in Bronx Park, and its entire upper floor is devoted to research. The physiological and morphological laboratories occupy the western end, and the taxonomic laboratories and herbarium the eastern end. The present floor-space is more than 19,000 square feet. Among the special features provided are to be mentioned the dark rooms, photographic, operating, and balance room, laboratory for physiological chemistry, constant-temperature chambers, and sky-lighted apartment for living plants which is furnished with a suitable aquarium. Ample opportunity for experimental work is afforded by the open-air plantations and extensive horticultural houses.

The Columbia herbarium and the equally extensive collections of the New York Botanical Garden are housed in the large room in the east wing of the Botanical Museum. The cryptogamic collections are arranged in special rooms. The entire aggregation of collections available for students is exceptionally full in every group of plants, from slime moulds to composites.

The portion of the University Library classified under Botany is deposited in the library stack-room of the Museum building, where it can be consulted in connection with the extensive supplementary collection now owned by the New York Botanical Garden. There are about 5000 bound volumes and 4000 pamphlets and extracts; the Garden library supplements this by over 10,000 volumes. All the regularly published journals devoted to Botany proper (over one hundred) are received, and the sets of all are complete.

Two series of publications are issued from the department: a quarto series known as the *Memoirs of the Department of Botany*, of which two volumes have been published; and the *Contributions from the Department of Botany*, in octavo, which have nearly completed the ninth volume.

Chemistry

CHARLES F. CHANDLER, M.D., Ph.D., LL.D., D.Sc. . . . *Mitchell Professor of Chemistry*

CHARLES E. PELLEW, E.M. *Adjunct Professor of Chemistry*

EDMUND H. MILLER, Ph.D. *Professor of Analytical Chemistry*

MARSTON TAYLOR BOGERT, A.B., Ph.B., *Professor of Organic Chemistry*

J. LIVINGSTON RUTGERS MORGAN, Ph.D. *Professor of Physical Chemistry*

¹ JAMES S. C. WELLS, Ph.D. . . . *Adjunct Professor of Analytical Chemistry (Qual.)*

HENRY C. SHERMAN, Ph.D. . . . *Adjunct Professor of Analytical Chemistry*

SAMUEL A. TUCKER, Ph.B. *Adjunct Professor of Electro-Chemistry*

MARIE REIMER, Ph.D. *Instructor in Chemistry (Barnard)*

CAVALIER HARGRAVE JOÛET, Ph.D. *Tutor in Analytical Chemistry*

¹ Absent on leave

VICTOR J. CHAMBERS, Ph.D.....	<i>Tutor in Organic Chemistry</i>
EVERETT J. HALL.....	<i>Tutor in Analytical Chemistry and Assaying</i>
ARTHUR C. NEISH, Ph.D.....	<i>Tutor in Chemistry</i>
CHARLES H. ELLARD, A.M.....	<i>Tutor in Analytical Chemistry (Qual.)</i>
HAL T. BEANS, Ph.D.....	<i>Tutor in Analytical Chemistry (Qual.)</i>
ELEANOR KELLER, A.B.....	<i>Tutor in Chemistry (Barnard)</i>
FLOYD J. METZGER, Ph.D.....	<i>Tutor in Chemistry</i>
FREDERICK VAN DYKE CRUSER, B.S., A.M.....	<i>Lecturer in Analytical Chemistry (Qual.)</i>
WILLIAM C. UHLIG, Ph.D....	<i>Assistant in Analytical Chemistry (Qual.)</i>
.....	<i>Assistant in Physical Chemistry</i>
ARTHUR J. METTLER, B.S....	<i>Assistant in Analytical Chemistry (Quant.)</i>

For the officers in the Department of Physiological Chemistry and in the College of Pharmacy, see Table of Contents.

For all detailed information in regard to the courses, subjects discussed, pre-requisites, etc., refer to the special Announcement of the Division of Chemistry

Candidates for the higher degrees should consult the officers of the department for information as to the courses which fulfil the residence requirements for a major or minor in chemistry.

	Undergraduates only.	Graduates and Undergraduates.	Graduates only.
General and inorganic.....	1-19	100-119	200-219
Physical.....	20-39	120-139	220-239
Organic.....	40-59	140-159	240-259
Analytical.....	60-79	160-179	260-279
Industrial.....	80-99	180-199	280-299

Courses

For the significance of course numbers see page 36

1 or 2—General elementary chemistry. 2 lectures, 1 recitation, and 2 afternoons laboratory practice, one half-year. Given both half-years. Dr. NEISH

3-4—General inorganic chemistry. 3 lectures and 1 recitation. Professor CHANDLER, and Drs. NEISH and METZGER

101-102—Advanced inorganic chemistry. 2 lectures. Professor PELLEW

21-22—Elementary physical chemistry. 3 hours in lectures and recitations, and 4 hours in the laboratory. Professor MORGAN and assistant

121-122—Physical chemistry. 3 hours in lectures and recitations throughout the year, and 1 afternoon in the laboratory, first half-year. Professor MORGAN and assistant

37—Theoretical electrochemistry. 2 lectures. Professor MORGAN
223-224—Physical chemistry, advanced course. 2 lectures, and at least 12 hours in the laboratory. Professor MORGAN

61-62—Qualitative analysis. 2 lectures or conferences during the first half-year, 3 lectures or conferences for chemists during second half-year, 2 lectures or conferences for other courses, and laboratory practice. Professor WELLS, Mr. ELLARD, and Drs. BEANS and UHLIG

163-164—Quantitative analysis for chemists. 4 hours lectures and recitations, and 15 hours laboratory practice. Professor MILLER and Dr. JOÛET

65—Quantitative analysis, inorganic, short course for electric engineers. 2 hours lectures and recitations, and 6 hours laboratory practice. Professor MILLER, Dr. JOÛET, and Mr. METTLER

66—Quantitative analysis, inorganic, for mining engineers. 3 lectures and recitations, with laboratory practice, 18 hours. Professors MILLER and SHERMAN, Dr. JOÛET, and Mr. METTLER

171—Quantitative analysis—Proximate organic and sanitary analysis for chemists. 2 lectures, 2 recitations, and laboratory practice 18 hours a week, first half-year. Professor SHERMAN

167-168—Advanced inorganic analysis. 2 lectures. Laboratory practice 3 afternoons during the first half-year for students taking the course in Metallurgy, and 6 afternoons the second half-year for students in the course of Analytical Chemistry, who elect this course in place of Course 173-174. Professor MILLER

173-174—Advanced proximate organic analysis for chemists. 2 lectures. Laboratory practice during the second half-year, 6 afternoons for students in the course of Analytical Chemistry, who elect this course in place of Course 167-168. Professor SHERMAN

161-162—Quantitative analysis, short course. 9 hours. 1 lecture and 8 hours conferences and laboratory work. Professor MILLER and Mr. METTLER

261-262—Quantitative analysis—Special methods, gravimetric, volumetric, and electrolytic. Conferences and laboratory work at least 16 hours. Professor MILLER

69 or 170—Assaying—Ores and metallurgical products. 2 lectures or recitations, and laboratory practice 10 hours during the first half-year for mining engineers and metallurgists; during the second half-year for chemists. Professor MILLER and Mr. HALL

260—Special methods of assaying ores, alloys, and furnace products—Comparison of methods and determination of losses. Conferences and laboratory work at least 8 hours. Professor MILLER and Mr. HALL

41-42—Organic chemistry, elementary lecture course. 2 lectures. Dr. CHAMBERS

43-44—Organic chemistry, elementary laboratory course. 8 hours.
Dr. CHAMBERS

141-142—Organic chemistry. Comprehensive treatment of the subject—4 lectures and 1 recitation. Laboratory work for analytical or industrial options, 12 hours, first half-year; for organic option, 9 hours first half-year and 18 hours second half-year. Professor BOGERT and Dr. CHAMBERS

143-144—Organic chemistry. Conferences. 2 hours. Professor BOGERT

241-242—Advanced organic chemistry, laboratory course. 12 hours. Professor BOGERT

243-244—Advanced organic chemistry, research. Professor BOGERT

81-82—Industrial chemistry, general course—3 lectures. Professor CHANDLER and Dr. METZGER

83-84, 85-86—Industrial chemistry, special course for chemists. 3 lectures for two years, one half the subject being discussed each year. Professor CHANDLER and Dr. METZGER

87 or 88—Industrial chemistry, laboratory practice for chemists. 2 afternoons. Professor PELLEW

89 or 90—Industrial chemistry, laboratory practice for chemists. Special applications. 1 afternoon. Professor PELLEW

181 or 182—Industrial electrochemistry, laboratory practice for chemists. 2 hours and 5 afternoons laboratory practice. Professor TUCKER

281-282—Industrial chemistry, advanced course. Original research. Personal instruction and laboratory work. Professor PELLEW

283-284—Electrochemical research. Original investigations. 16 hours. Professor TUCKER

285-286, 287-288—Advanced electrochemical research. Private study and original investigations for two years. Professor TUCKER

91-92—Chemical microscopy. 2 hours laboratory practice. Professor PELLEW

94—Practical electrochemistry, laboratory course. 1 afternoon for part of term. Professor TUCKER

Courses Given at Barnard College

The following courses are given separately at Barnard College: **5-6**, by Miss REIMER and Miss KELLER; **135-136**, by Professor MALTBY; **63**, by Miss KELLER; **64**, by Miss REIMER; **41-42**, by Miss REIMER; **43-44**, by Miss REIMER; **145-146**, an advanced course in Organic Chemistry, open as a minor for A.M. and Ph.D., by Miss REIMER.

Other Courses

For courses in Chemistry given at Teachers College and for courses in Chemistry and Physiological Chemistry given at the College of Physicians and Surgeons and at the College of Pharmacy, see the Table of Contents and the special Announcements of these Schools.

Equipment

Havemeyer Hall

In Havemeyer Hall the Chemical Department is provided with ample space for its museum, lecture-rooms, and laboratories, and every convenience has been provided for both the instructors and students working in the general or special courses.

There are five chemical lecture-rooms, all fully supplied with apparatus and instruments, the desks being equipped with pneumatic troughs, gas, pressure, exhaust, and electricity. The large chemical lecture-room on the ground floor contains 316 seats.

The museum of General Inorganic and Organic Chemistry and of the Chemical Arts, a large room occupying the whole left wing of the ground floor, contains the elements and all their more important compounds, inorganic and organic; materials and products illustrating the chemical arts, and numerous models, pictures, and diagrams.

The Qualitative Laboratory has one hundred and eighteen desks, each divided into two sections, and each thoroughly equipped.

The Quantitative Laboratory has eighty-eight desks. Attached to the main laboratory is a large and well-equipped balance room, containing accurate balances, and special rooms, provided with the latest and most improved apparatus for gas, water, food, and electrolytic analysis.

The Organic Laboratory has forty large desks. The laboratory is provided with high- and low-pressure steam, and with special rooms for balances, pressure ovens, glass-blowing, combustions, and for advanced work in various directions, including the determinations of boiling-points, melting-points, specific gravities, vapor densities, and the synthetic preparation of organic compounds.

The Laboratory of Industrial Chemistry for the instruction of students in practical operations and the solution of problems in sanitary chemistry and hygiene is equipped for the manufacture of pure chemicals from their raw materials on an industrial scale, with fine batteries of steam evaporators, and with steam stills, centrifugals, filter presses, crushers, and the like. It includes a dyeing laboratory with a large stock of dye-stuffs, and with the regular equipment for the practical testing of dyes, including a calico-printing machine. Connected with it is a photometer room, containing a new and complete outfit for the practical testing of illuminants. Practical instruction is offered in this laboratory in the filtration and purification of water

and sewage, fermentation and distillation, and the manufacture of sugar, petroleum products, and leather.

It also includes a laboratory for chemical microscopy, newly equipped with microscopes, polarized light apparatus, camera lucidas, etc., for the practical use of the microscope in chemical operations.

A new laboratory for practical electrochemistry has been provided. The equipment consists of special motor-dynamos, one of which furnishes direct current at low voltages to the students' desks for general electrolytic work; the other provides heavy alternating current to the electric furnace room; this room is furnished with all appliances for electric furnace work. The students' desks are fitted with special switchboards and measuring instruments and the laboratory has been arranged for carrying on research work in all branches of electrochemistry.

The Laboratory of Physical Chemistry is well equipped with the most recent apparatus adapted to a wide range of experimental work in the branches of heat, light, and electricity as applied to chemical problems.

The Assay Laboratory is provided with crucible and muffle furnaces, both gas and coal, for the fire assay of ores; also with crushing, pulverizing, and sampling machinery, balance room, storeroom, and thirty-six well-equipped working desks. It also contains all the apparatus necessary for the wet assay of silver bullion and for laboratory tests of ores.

The Chemical Library in Havemeyer Hall is supplied with an extensive collection of chemical books and journals, and is open from 9.00 A.M. to 5.00 P.M., and during the session of the University from 8.00 to 11.00 P.M.

Barnard College

The Department of Chemistry at Barnard College has laboratories well equipped with hoods and every facility for the proper study of the subjects offered. The desks have water, gas, and electricity.

There is a small library of useful reference books in chemistry to which the students have free access during the entire day.

Teachers College

The laboratories and lecture-room of Teachers College are well equipped for illustrating the teaching of chemistry in Secondary and Normal Schools. In these the chemistry classes of the Horace Mann School receive their instruction, and by observation and practical work in connection with the classes the students in Education 92 are enabled to become familiar with the duties of a teacher of Chemistry.

Chinese

(See Oriental Languages)

Civil Engineering

WILLIAM HUBERT BURR, C.E.	Professor
EARL BRINK LOVELL, C.E.	Adjunct Professor
ADOLPH BLACK, C.E.	Instructor
WILLIAM HENRY YATES, C.E.	Tutor
MYRON SAMUEL FALK, C.E., Ph.D.	Lecturer
WALTER TAUBERT DERLETH, C.E., A.M.	Assistant
CHARLES EDWARD MORRISON, C.E., A.M.	Assistant

A complete, detailed statement of all the subjects covered by the course of study leading to the degree of Civil Engineer, both those given in the Department of Civil Engineering and in other departments of the University, will be found in the Announcement of the Courses in Civil Engineering, which will be supplied, without cost, on application to the Secretary of the University.

Courses

For the significance of course numbers see page 36

1-2—Theory of plane surveying—for mining engineers,—1 hour (first year). Professor LOVELL and Mr. MORRISON

4—Theory of plane surveying—for civil engineers,—2 hours (first year). Professor LOVELL and Mr. MORRISON

15—Surveying practice—five weeks field work (between the first and second years). Professor LOVELL and assistants

21—Road engineering—2 hours (second year). Professor LOVELL and Mr. MORRISON

23—Theory of railroad surveying—for mining engineers,—2 hours and one afternoon (second year). Professor LOVELL and Mr. MORRISON

25—Surveying practice—for civil engineers,—five weeks field work (between the second and third years). Professor LOVELL and assistants

26—Hydrographic surveying—for civil engineers,—two weeks field and office work (between the second and third years). Professor LOVELL and assistants

27—Surveying practice—for mining engineers,—five weeks field work (between the second and third years). Professor LOVELL and assistants

28—Railroad surveying—for mining engineers,—four weeks field work (between the second and third years). Professor LOVELL and assistants

51-52—Theory of railroad location—for civil engineers,—3 hours and 1 afternoon (third year). Professor LOVELL and Mr. MORRISON

53-54—Resistance of materials—3 hours and 1 afternoon (third year). Professor BURR, Dr. FALK, Mr. YATES and Mr. DERLETH

55-56—Resistance of materials testing laboratory—1 afternoon (third year). Mr. YATES and Mr. DERLETH

57-58—Masonry structures—2 hours and 1 afternoon (third year). Mr. YATES

59—Sanitary treatment of water-supplies and of sewage—2 hours (third year). Mr. BLACK

61—Theory of trusses—2 hours and 1 afternoon (third year). Mr. YATES

62—Graphic statics—for civil engineers,—2 hours and 1 afternoon (third year). Mr. YATES

64—Graphic statics—for mining engineers,—1 hour and 1 afternoon (third year). Mr. YATES

71—Railroad surveying—for civil engineers,—four weeks field work (between third and fourth years). Professor LOVELL and assistants

75—Hydraulics, including pumps and pumping engines—for civil engineers,—3 hours (fourth year). Mr. BLACK

76—Hydraulics—for mining engineers,—3 hours (during March, April, and May—fourth year). Mr. BLACK

79—Kinematics of machinery—1 hour (fourth year). Mr. YATES

85—Foundations—2 hours (fourth year). Professor BURR and Dr. FALK

87-88—Design of bridges and buildings—2 hours (fourth year). Professor BURR and Mr. YATES

89-90—Railroad engineering, construction and operation—3 hours and 1 afternoon (fourth year). Professor LOVELL

94—The design and construction of sewers—2 hours, during February, March, and part of April (fourth year). Mr. BLACK

96—River and harbor improvements—2 hours, during part of April and May (fourth year). Mr. BLACK

97—Water-supply and irrigation—2 hours (fourth year). Mr. BLACK

100—Graduation thesis—a project or thesis on some civil engineering subject, approved by the head of the department, is required of every candidate for the degree of Civil Engineer

Courses in Sanitary Engineering

41—Sanitary engineering of buildings—2 hours (second year). Mr. BLACK

42—General principles of hygiene and sanitary science—2 hours (second year). Mr. BLACK

81-82—Heating and ventilation—2 hours (fourth year). Mr. BLACK

84—Drainage of country districts and towns—2 hours (fourth year). Mr. BLACK

Summer Courses in Surveying

These courses are conducted during sixteen weeks each summer vacation at a point in the country near Litchfield, Conn., where ample facilities are provided for all requisite operations, and where the topography is admirably adapted to the practical work of surveying. The courses there given are those announced above under the numbers 15, 25, 26, 27, and 71. The University issues a special pamphlet with regard to these courses, which may be had upon application.

Advanced Courses

The minor subjects in the Department of Civil Engineering for the university degrees of Master of Arts and Doctor of Philosophy (*i. e.*, those courses which fulfil the residence requirement) are the following:

153-154—Elasticity and resistance of materials

257-258—Elastic and masonry arches. Conferences with reading and design work as required

Pre-requisite: Course 57-58.

275-276—Hydraulics (Civil Engineering 75 with additional reading)

285-286—Foundations including theory of earth pressure—(Civil Engineering 85, with additional reading)

287-288—Long-span bridges. Conferences with reading and design work as required

Pre-requisite: Course 87-88.

The major subjects for the same degrees are the following:

259-260—Sanitary engineering

Pre-requisites: Courses 59, 93, 97.

277-278—Hydraulic engineering, including the hydraulics of rivers and power plants and municipal water works

279-280—Municipal engineering, including waterworks, sewers, and sewage works, streets, and other public works, and their administration

289-290—The engineering of structures, including long-span bridges and deep foundations, with methods of building them, and advanced work in elasticity and resistance of materials

Equipment

The department possesses an unusually full equipment of engineers' and solar transits, levels, plane tables, compasses, and all accessories, as well as smaller instruments. Current meters, hook gauges, and floats of various types are also used in making observations on the flow in and

discharge of rivers and canals. A complete set of sections of iron and steel shapes, models, and photographs of engineering works, together with working plans of the latter, are in the department for the use of students. The hydraulic laboratory affords opportunity for the practical operations of measuring the discharge through weirs and other orifices, the flow through open channels and closed pipes, frictional and other resistances in pipes and open channels, as well as for meter gaugings, and for general hydraulic investigations. The testing work in the mechanical laboratory includes the complete tests of various structural materials in tension, compression, bending, and torsion, including the observation and digesting of all corresponding data.

A cement-testing laboratory is fully equipped with testing machines, briquette moulds, tanks, and other apparatus requisite for all classes of investigations in the nature and physical properties of cements and cement mortars. All students are required to make and test briquettes of cement and cement mortar, as well as to ascertain the weight, fineness, and other physical properties of such cement, sand, and mortar as may be assigned to them for examination.

Students taking the course of Civil Engineering enjoy the use of the laboratories in all of the departments of the University in which they pursue courses of study, and their laboratory work in those departments is identical with that of students taking courses of engineering study in the same departments.

The workshops used by the students in Civil Engineering are located in the Macy Manual Arts Building of Teachers College. The other laboratories used by students in the Department of Civil Engineering, and in which extended courses of work are given, are those of the Departments of Physics, Mechanical Engineering, and Electrical Engineering. Complete descriptions of these laboratories will be found in the circulars of their respective departments.

In addition to the actual equipment of the school, a great variety of large engineering works is continually in process of construction in New York City and vicinity, and the requisite steps are always taken to render them accessible to the students of the department for examination and study.

The library facilities consist of an extensive collection of foreign and domestic engineering books and periodicals, to which additions are being constantly made. The collection of engineering literature forms a part of the general Library of the University, and is constantly available for both undergraduates and post-graduate study.

Clinical Instruction

in Dermatology, Genito-Urinary Diseases, Laryngology, Ophthalmology, Orthopedic Surgery, and Otology. For Clinical Instruction in Medicine, Surgery, Gynecology, Neurology, and Pediatrics details will be found under the general heading of these departments,

GEORGE HENRY FOX, A.M., M.D.	Professor of Dermatology
VIRGIL P. GIBNEY, M.D., LL.D.	Professor of Orthopedic Surgery
WM. K. SIMPSON, M.D., M.Sc.	Professor of Laryngology
ARNOLD KNAPP, M.D.	Professor of Ophthalmology
GORHAM BACON, M.D.	Professor of Otology
JAMES R. HAYDEN, M.D.	Professor of Genito-Urinary Diseases
ROYAL WHITMAN, M.D.	Clinical Lecturer and Instructor in Orthopedic Surgery
ROBERT LEWIS, Jr., M.D.	Chief of Clinic and Instructor in Otology
GEORGE THOMAS JACKSON, M.D.	Chief of Clinic and Instructor in Dermatology
RICHARD FROTHINGHAM, M.D.	Instructor in Laryngology
WARD A. HOLDEN, M.D.	Chief of Clinic and Instructor in Ophthalmology
HENRY H. TYSON, M.D.	Instructor in Ophthalmology
GEORGE SLOAN DIXON, M.D.	Instructor in Otology
FRANKLIN M. STEPHENS, M.D.	Instructor in Otology
SAMUEL W. THURBER, M.D.	Chief of Clinic and Instructor in Laryngology
JAMES R. WHITING, M.D.	Chief of Clinic and Instructor in Genito-Urinary Diseases

Clinical Assistants

In Orthopedic Surgery

CHARLES H. JAEGER, M.D.,	Chief of Clinic
DANIEL B. BRINSMADE, M.D.	SIGMUND EPSTEIN, M.D.
CARL R. KEPPLER, M.D.	JOHN CARLING, M.D.

In Otology

FRANKLIN M. STEPHENS, M.D.	FRANK J. BLODGETT, M.D.
GEORGE SLOAN DIXON, M.D.	MATHEW L. CARR, M.D.
ALFRED MICHAELIS, M.D.	

In Dermatology

JOHN H. P. HODGSON, M.D.	CHARLES T. DADE, M.D.
JOHN ALDRICH, M.D.	S. DANA HUBBARD, M.D.

In Ophthalmology

JOHN A. JACKSON, M.D.	D. H. LEVY, M.D.
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In Laryngology

ARTHUR P. COLL, M.D.	F. CONGER SMITH, M.D.
JOHN J. MCCOY, M.D.	C. D. VAN WAGENEN, M.D.
JOHN LESHURE, M.D.	T. JOSEPH BARRY, M.D.

In Genito-Urinary Diseases

WALTER B. BROUNER, M.D.	S. W. FOWLER, M.D.
W. S. REYNOLDS, M.D.	EDWARD R. PFARRE, M.D.

The following courses are required of candidates for the degree of M.D.:

In the third year, Genito-Urinary Diseases 1-2, 3-4, 5-6; Ophthalmology 1-2, 3-4; Otology 1, 3-4.

In the fourth year, Dermatology 1, 3-4; Laryngology 2, 3-4, 5-6; Orthopedic Surgery 1-2, 3-4.

The following is optional:

In the fourth year, Orthopedic Surgery 5-6.

Full information regarding these courses and the equipment of the University for this work will be found in the Announcement of the College of Physicians and Surgeons for 1905-06. All communications regarding them should be addressed to the Dean of the Faculty of Medicine, 437 W. 59th Street.

Courses

In Dermatology

1—Clinical lectures at the Vanderbilt Clinic upon the diseases of the skin. 1 hour. Monday, 2 P.M. Professor FOX

3-4—Practical instruction at the Vanderbilt Clinic in the diagnosis and treatment of the diseases of the skin. 10 lessons for each student. Dr. JACKSON

In Genito-Urinary Diseases

1-2—Genito-urinary diseases—Clinical lectures at the Vanderbilt Clinic. 3 P.M., Monday. 1 hour. Professor HAYDEN

3-4—Practical instruction at the Vanderbilt Clinic in the diagnosis and treatment of genito-urinary and venereal diseases—10 lessons for each student. Dr. WHITING

5-6—Hospital clinics in genito-urinary diseases—Bellevue Hospital, Tu. at 3.30 P.M., December, January, February, and March. Professor HAYDEN

In Laryngology

Instruction in the Department of Laryngology (including diseases of the larynx, pharynx, and nasal passages) is both didactic and clinical. It comprises:

2—Didactic lectures. 1 hour. M. at 2 P.M. Professor SIMPSON

3-4—Practical clinical instruction to sections in the use of instruments. Dr. THURBER

5-6—Individual clinical demonstrations, special attention being given to the questions of general diagnosis, differential and bacteriological diagnosis, and treatment. Dr. FROTHINGHAM

In Ophthalmology

1-2—Clinical lectures, at the Vanderbilt Clinic, upon the diseases of the eye. In selected cases the diagnosis is made, treatment applied, and minor operations are performed before the class.

Before and after the lectures, as opportunity offers, microscopic demonstrations of the pathological histology of the eye are made by Dr. HOLDEN. 1 hour. Professor KNAPP

3-4—Practical instruction, at the Vanderbilt Clinic. 10 lessons for each student. Drs. HOLDEN and TYSON

In Orthopedic Surgery

1-2—Clinic in orthopedic surgery and diseases of the joints at the Vanderbilt Clinic. 1 hour. Professor GIBNEY

3-4—Practical instruction. 10 lessons for each student, at the Hospital for Ruptured and Crippled. Dr. WHITMAN

5-6—Operations at the Hospital for Ruptured and Crippled. Professor GIBNEY

In Otology

1—Didactic lectures with lantern demonstration on aural diseases. 1 hour. Professor BACON

3-4—Practical instruction in the diagnosis of the diseases of the ear at the Vanderbilt Clinic. 10-12 lessons for each student. Drs. LEWIS, STEPHENS, and DIXON

Comparative Literature

JEFFERSON BUTLER FLETCHER, A.M.....*Professor*
JOEL ELIAS SPINGARN, Ph.D.....*Adjunct Professor*

All the courses given below are open to graduate students only, both men and women, and may all be counted towards the higher degrees. Any two of the five courses offered are pre-requisite for admission to the Seminars.

Courses

201-202—The comparative study of literature: its methods and its problems. 2 hours. Professor FLETCHER

[203-204—History of literary criticism in modern Europe. 3 hours. Professor SPINGARN

Not given in 1905-06]

205-206—The theory and practice of criticism in modern Europe. 2 hours. Professor SPINGARN

211-212—European literature in the full Renaissance. 3 hours. Professor FLETCHER

[213-214—The literary relations of England and the Continent in the sixteenth century. 2 hours. Professor FLETCHER

Not given in 1905-06]

221-222—European literature during the later Renaissance. 3 hours. Professor SPINGARN

[223-224—The literary relations of England and the continent during the seventeenth century. 2 hours. Professor SPINGARN
Not given in 1905-06; may be given in 1906-07]

Seminar A—The Elizabethan drama in relation to its sources. 2 hours. Professor FLETCHER

Seminar B—Classicism in modern literature. 2 hours. Professor SPINGARN

Seminar C—The tradition of chivalry in modern literature. 2 hours. Professor SPINGARN

Equipment

The officers of the department have given much attention to the requirements of their courses in the matter of learned publications, the books of specialists in literary topics, the particular collections grouped about great authors, and the rarer literature of the world of letters. The general subjects of literary history and criticism and the latest phases of literary scholarship are well represented in the Library, and those subjects with which the courses directly deal are represented with unusual fulness. A special effort has been made to gather beforehand the literature of subjects for research, so that there may be no delay in providing such material. In the last few years several thousand volumes have been purchased by the department with a particular view to the needs of students, and it is believed that, within the limits of study, the collections are ample; and whatever books prove to be required will be at once obtained. Substantially all periodicals of the literary or learned world are currently received, and in files of such publications, transactions of societies, and the like the Library is uncommonly rich, as well as in foreign dissertations. These are the treasures of information for minute research. In the Library a special study room is provided for the department, in immediate communication with the books relating to its specific subject.

Diseases of Children

L. EMMETT HOLT, M.D., LL.D., Sc.D.....*Carpentier Professor*
 HENRY W. BERG, M.D.....*Instructor in Infectious Diseases*
 LINNAEUS EDFORD LA PETRA, M.D.....*Chief of Clinic and Instructor*
 JOHN HOWLAND, M.D.....*Instructor in Contagious Diseases*
 FRANK S. MEARA, M.D.....*Tutor*

ABRAHAM JACOBI, M.D., LL.D.....*Emeritus Professor*

Clinical Assistants

LOUIS M. SILVER, M.D.	SIDNEY V. HAAS, M.D.
ALBERT F. BRUGMAN, M.D.	ANDREW B. YARD, M.D.
BERNARD SOUR, M.D.	EDWARD MILLER, M.D.
ROBERT H. McCONNELL, M.D.	HENRY E. HALE, M.D.

Courses 1, 3-4, and 9 are required in the third year, and Courses 1, 2, 5-6 and 7-8 in the fourth year, of candidates for the degree of M.D.: Course 10 is optional in the fourth year.

Courses 1, 3-4 and 9 for third year.

Courses 1, 2, 5-6, 7-8 for fourth year.

Courses

1—Didactic lectures at the College. 1 hour Wednesday at 4 P.M., from February to May. Professor HOLT

2—Clinical lectures at the Vanderbilt Clinic. 1 hour Wednesday at 2 P.M., from October to February. Professor HOLT

3-4—Practical instruction at the Vanderbilt Clinic in diagnosis and treatment. 10 lessons for each student. Dr. LA FETRA

5-6—Hospital clinic—Foundling or Babies' Hospital, 1½ hours, Tuesdays at 2 P.M., Fridays at 3.15 P.M., from October to May. Professor HOLT

7-8—Bedside instruction in contagious diseases at the Willard Parker Hospital, to small sections of the class. Dr. HOWLAND and Dr. BERG

9—A weekly recitation in pediatrics for each student for half the year. Dr. MEARA

10-11—Hospital clinic—Roosevelt Hospital, Mondays and Thursdays at 5 P.M., from October to May. Professor JACOBI.

Domestic Art

Ten courses in Domestic Art are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College* and the special circular of the department, which will be sent, without charge, upon application to the Secretary of the University.

Domestic Science

Nine courses in Domestic Science are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College* and the special circular of the department, which will be sent, without charge, upon application to the Secretary of the University.

Economics and Social Science

1 EDWIN R. A. SELIGMAN, Ph.D., LL.D.....	McVickar Professor
FRANKLIN HENRY GIDDINGS, Ph.D., LL.D.....	Professor
JOHN BATES CLARK, Ph.D., LL.D.....	Professor
HENRY ROGERS SEAGER, Ph.D.....	Professor
HENRY LUDWELL MOORE, Ph.D.....	Adjunct Professor
ALVIN SAUNDERS JOHNSON, Ph.D.....	Adjunct Professor
VLADIMIR GR. SIMKHOVITCH, Ph.D.....	Adjunct Professor

¹ Absent on leave.

EDWARD THOMAS DEVINE, Ph.D.....	Professor
GEORGE J. BAYLES, Ph.D.....	Lecturer in Ecclesiology
ALVAN A. TENNEY, A.M.....	Assistant in Statistics

For more detailed statement of the scope of each course see the Announcement of the Faculty of Political Science (Division of History, Economics, and Public Law).

The courses offered fall into three divisions: Political Economy and Finance, Sociology and Statistics, and Social Economy. Economics **1** and **2** and **A** and **4** are the general introductory courses primarily intended for juniors in Columbia and Barnard Colleges. Economics **101** to **110** will be found of especial value to law students seeking to supplement their purely legal studies. Sociology **151-152** is a general introductory course. Sociology **151-152** and **251-252**, together with Economics **105**, **203-204**, **109** and **110**, will be of value to students of theology who wish to extend their knowledge of the social problems of the day.

In addition to the regular courses, there are several seminars, organized to furnish students opportunity for special investigation and original research. Every candidate for the degree of Master of Arts or Doctor of Philosophy, taking his major subject in this department, must work in at least one of the seminars.

The allied courses in history and public law will be found extremely useful for the students of social science, because of the close interrelations of history, law, and economics. Taken together, these courses constitute a complete scheme of political science.

All of the courses in Economics and Social Science numbered **200** and above are open to women graduate students upon the same terms as to men.

Economics **105**, **109**, and **110**, and Sociology **151-152** are given separately at Barnard, and Economics **A**, **4**, **120**, **121**, and **122** are given at Barnard only.

Courses in brackets are not given in 1905-06.

For the significance of course numbers see page 36.

Courses in Political Economy and Finance

A1—Outlines of economics—Recitations, lectures, and essays. 3 hours. Professors MOORE and JOHNSON (Barnard College)

1-2—Introduction to economics—Practical economic problems—Lectures and recitations. 3 hours. Professors SELIGMAN, SEAGER, and JOHNSON (Columbia College)

4—Economic history of England and America—Selected text-books, recitations, essays, and lectures. 3 hours. Professors MOORE and JOHNSON (Barnard)

[101-102—Taxation and finance—Lectures and private reading. 2 hours. Professor SELIGMAN]

103—Money and banking—Lectures, discussions, and reading. 2 hours. Professor MOORE

Courses 101-102 and 103 are combined at Barnard under the name of Practical Economic Problems, and are given as a 2-hour course (120) by Professor SEAGER.

104—Commerce and commercial policy—Lectures and private reading. 2 hours. Professor JOHNSON

105—The labor problem—Lectures and private reading. 2 hours. Professor SEAGER (Barnard)

[106—The trust problem—Lectures and private reading. 2 hours. Professor SEAGER]

[107—Fiscal and industrial history of the United States—Lectures and private reading. 2 hours. Professor SELIGMAN]

[108—Railroad problems, economic, social, and legal—Lectures and private reading. 2 hours. Professor SELIGMAN]

109—Communistic and socialistic theories—Lectures and private reading. 2 hours. Professor CLARK

110—Theories of social reform—Lectures and private reading. 2 hours. Professor CLARK

120—Practical economic problems—Lectures and assigned readings. 2 hours. Professor SEAGER (Barnard)

121—English social reformers—Lectures and assigned readings. 2 hours. Professor H. L. MOORE (Barnard)

122—Economic theory—Lectures, assigned readings and discussions. 2 hours. Professor H. L. MOORE (Barnard)

201—Economic readings I: classical English economists—Lectures, assigned readings and reports. 2 hours. Professor SEAGER

202—Economic readings II: contemporary economists. 2 hours. Professor SEAGER

[203-204—History of economics—Lectures, discussions, and readings. 2 hours. Professor SELIGMAN]

205—Economic theory I: the static laws of distribution—Lectures and private reading. 2 hours. Professor CLARK

206—Economic theory II: the dynamic laws of distribution. 2 hours. Professor CLARK

207—Theory of statistics—Lectures and laboratory. 2 hours. Professor H. L. MOORE

208—Quantitative economics I: advanced statistics. 2 hours. Professor H. L. MOORE

[210—Quantitative economics II: mathematical economics. 2 hours. Professor H. L. MOORE]

241—Economic and social evolution of Russia since 1800. 2 hours. Professor SIMKHOVITCH

242—Radicalism and social reform as reflected in the literature of the nineteenth century. 2 hours. Professor SIMKHOVITCH

291-292—Seminar in political economy and finance. 2 hours. Professors SELIGMAN and CLARK

Courses in Sociology and Statistics

151-152—Principles of sociology—Recitations, lectures, and collateral reading. 2 hours. Professor GIDDINGS

251—Social evolution, ethnic and civil origins—Lectures and private reading. 2 hours. Professor GIDDINGS

252—Social evolution—Civilization, progress, and democracy—Lectures and private reading. 2 hours. Professor GIDDINGS

255—Theory of statistics—Lectures and laboratory. 2 hours. Professor H. L. MOORE

256—Social statistics—Lectures and laboratory. 2 hours. Professor GIDDINGS

259—Civil aspects of ecclesiastical organization—Lectures and private reading. 1 hour. Dr. BAYLES

279-280—Seminar in sociology—2 hours, bi-weekly. Professor GIDDINGS

Courses in Social Economy

281—Poverty and dependence—Lectures and discussions. 2 hours. Professor DEVINE

282—Principles of relief—Lectures and discussion of cases. 2 hours. Professor DEVINE

283—Pauperism and poor laws—Lectures and assigned readings. 2 hours. Professor SEAGER

[285—The standard of living—Lectures and discussions. 2 hours. Professor DEVINE]

[286—The prevention and diminution of crime—Lectures and discussions. 2 hours. Professor DEVINE]

290—Crime and criminal anthropology—Assigned readings. 2 hours. Professor GIDDINGS

299-300—Seminar in social economy. 2 hours. Professor DEVINE

Equipment

The Library facilities are unexcelled. Every journal of importance, American or foreign, dealing with economics or social science, is taken regularly by the Library. Any book needed by advanced students can usually be bought at once. The special library of history and political science alone comprises more than seventy thousand volumes.

Students of economics and social science will find New York a centre of library facilities unrivalled elsewhere in this country. In addition to the University Library, there are rich treasures at the New York Public Library on the Astor, Lenox, and Tilden foundation, New York Historical Library, Long Island Historical Library, Library of the Charity Organization Society, the Bar Association Library, and the Law Institute Library, to each of which students have access under favorable conditions. Advanced students also have at their disposal the library of the McVickar Professor of Political Economy, which contains the most complete collection of works on economics to be found in the United States.

The facilities offered to students of sociology include a large library of general and special works, and unusual opportunities for field work. A generous gift for works on sociology has provided a very complete equipment of publications on sociological theory, the history of the family, pauperism, crime, and penology. Arrangements have been made with the Charity Organization Society, the State Charities Aid Association, the University Settlement, the East-Side House, and the Brooklyn Bureau of Charities by which students can become fully acquainted with actual work among the people and with the most perfect methods.

The Statistical Laboratory, conducted by Professors GIDDINGS and MOORE, is equipped with the Hollerith tabulating machines, computers, and all other modern facilities.

Education

Teachers College is the Division of Education of Columbia University. In the section of the Catalogue devoted to Teachers College (see Table of Contents) will be found a list of its officers and a statement of its equipment for instruction and research in education.

The following courses are open to students of Columbia College and Barnard College, and to University students. All courses are open to men and women on equal terms. For the significance of course numbers see page 36.

A full statement of the nature of each of the following courses, the work pre-requisite to it, and the credit which may be received for it in partial fulfilment of the requirements for the several degrees and diplomas; and similar statements concerning the semi-professional courses offered by Teachers College, but not listed here, will be found in the current edition of the Announcement of Teachers College, which may be had, without charge, upon application to the Secretary of Teachers College.

History and Philosophy of Education

B—History and principles of education—Lectures, required readings, reports, and discussions. 3 hours. Professor MONROE and assistant

Bb—History of education during modern times—Second third of Education **B**, described above. 1 hour. Professor MONROE

2—Logic as applied to education—Lectures, readings, and discussions. 2 hours, second half-year. Professor DEWEY

5-6—Modern educational theory—Lectures, reading, and discussion. 2 hours. Professor MACVANNEL

101-102—Contemporary educational problems—Lectures and discussions. 1 hour. Dean RUSSELL and special lecturers

105-106—Educational theories—Herbart and Froebel—Lectures, essays, and discussion. 2 hours. Professor MACVANNEL

108—Social life and the school curriculum. 2 hours, second half-year. Professor DEWEY

201-202—History and principles of education—Special graduate section of the course **B** described above. 2 hours. Professor MONROE

203-204—Practicum—Sources in the history of education. 2 hours. Professor MONROE

205-206—Practicum—Philosophy of education. Lectures, reports, and discussions. 2 hours. Professor MACVANNEL

207-208—Practicum. 2 hours. Professor DEWEY

303-304—Seminar—History of education. Professor MONROE

305-306—Seminar—Philosophy of education. Professor MACVANNEL

Educational Administration

111-112—School administration—Lectures, essays, and discussions. 2 hours. Professor DUTTON

211-212—Practicum—Administration of public education in the United States. 2 hours. Professor DUTTON

213-214—Practicum—Foreign school systems. 2 hours. Dean RUSSELL

311-312—Seminar—Educational administration. Dean RUSSELL and Professor DUTTON

Educational Psychology

A (a)—General psychology. 2 hours, first half-year.

A (b)—Educational psychology. 1 hour, first half-year; 3 hours, second half-year.

Lectures, practical exercises, and recitations. Professor THORNDIKE and Dr. NORSWORTHY

21-22—Child study—Observation, experiments, private reading, and conferences. 2 hours. Dr. NORSWORTHY

121-122—Genetic psychology—Advanced course. 2 hours. Professor THORNDIKE

221-222—Practicum—The application of psychological and statistical methods to education. 2 hours. Professor THORNDIKE

321-322—Seminar—Genetic and comparative psychology. Professor THORNDIKE

Kindergarten Teaching

5-6—Modern educational theory—Lectures, readings, and discussions. 2 hours. Professor MACVANNEL

41-42—Kindergarten principles—Lectures, readings, and reports. 2 hours. Miss BLOW and Professor MACVANNEL

45-46—Theory and practice of kindergarten teaching—Lectures, discussion, and practical work. 4 hours. Miss MILLS and Miss McMAHON

105-106—Educational theories of Herbart and Froebel—Lectures, essays, and discussions. 2 hours. Professor MACVANNEL

141-142—Kindergarten principles and practice—Lectures, readings, and reports. 2 hours. Miss BLOW and Miss FISHER

145-146—Kindergarten conference—Investigations and discussions. 2 hours. Professor MACVANNEL, Miss HILL, and special lecturers

Elementary Education

31—Principles of method in study and instruction—Lectures, reading, and discussions. 2 hours. Professor McMURRY

33-34—Theory and practice of teaching in elementary schools—Observation, conference, and practical work. 3 hours. Professor McMURRY and Dr. STRAYER

131-132—Criticism and supervision of instruction—Observation and conference. 2 hours. Professor McMURRY

133-134—Supervision of instruction. 3 hours. Professor McMURRY and Dr. STRAYER

233-234—Practicum—Experimental problems of the elementary school. 2 hours. Professor McMURRY and Dr. STRAYER

333-334—Seminar. Professor McMURRY

51-52—Sunday-school instruction—Lectures, discussions, reports, observation, and practice. 1 hour. Dr. HODGE

55-56—Theory and practice of teaching domestic art in elementary and trade schools—Lectures, conferences, and practical work. 3 hours. Professor WOOLMAN and Miss COOLEY

155-156—Supervision in domestic art. Conferences and practical work. 3 hours. Professor WOOLMAN

57-58—Theory and practice of teaching domestic science—Lectures, conferences, and practical work. 3 hours. Professor KINNE and Miss WHITEMORE

157-158—Supervision and critic teaching in domestic science—Conferences and practical work. 2 hours. Professor KINNE

61—Theory and practice of teaching English in elementary schools—Lectures, recitations, and private reading. 2 hours. Professor BAKER

63-64—Theory and practice of teaching art—Lectures, conferences, observation, and practical work. 3 hours. Professor DOW and Miss CORNELL

70—Theory and practice of teaching French. 3 hours. Professor COHN

68—Theory and practice of teaching geography in elementary schools—Lectures, discussions, and practical work. 2 hours. Professor DODGE and Miss KIRCHWEY

77-78—Theory and practice of teaching manual training—Discussions, collateral reading, observation, and practical work. 3 hours. Professor RICHARDS

177-178—Organization of manual training—Discussions, essays, and investigation. 2 hours. Professor RICHARDS

179-180—Theory and practice of teaching mathematics in elementary schools—Lectures, discussions, and practical work. 2 hours. Professor SMITH

81-82—Theory and practice of teaching school music—Lectures and practical work. 3 hours. Professor FARNSWORTH

83-84—Practical course in the teaching of nature study—Lectures, discussions, and practical work. 3 hours. Professors BIGELOW, WOODHULL, and DODGE

85—Lectures on the teaching of nature study. 1 hour. Professors BIGELOW, WOODHULL, DODGE, and LLOYD

87-88—Personal and school hygiene—Lectures, demonstrations, reading, and reports. 1 hour. Professor WOOD

189-190—Theory and practice of teaching physical education—Lectures, conferences, observation and practice teaching. 3 hours. Dr. SKARSTROM and Miss FISHER

Secondary Education

125-126—Secondary education—Lectures, discussions, and reports. 2 hours. Professor SACHS

225-226—Practicum—The secondary-school curriculum. 2 hours. Professor SACHS

325-326—Seminar in secondary education. Professor SACHS

153-154—Theory and practice of teaching biology in the secondary school.—Lectures, discussions, and practical work. 3 hours. Professors LLOYD and BIGELOW

253-254—Practicum in botany and zoölogy. 2 hours. Professors LLOYD and BIGELOW

155-156—Teaching domestic art in secondary schools, and supervision of domestic art departments—Lectures, conferences, and practical work. 3 hours. Professor WOOLMAN

57-58—Theory and practice of teaching domestic science—Lectures, conferences, and practical work. 3 hours. Professor KINNE and Miss WHITEMORE

157-158—Supervision and critic teaching in domestic science—Conferences and practical work. 2 hours. Professor KINNE

161-162—Theory and practice of teaching English in secondary schools—Lectures, reading, written work, observation, and practice-teaching. 3 hours. Professor BAKER

261-262—Practicum in English—The history of the criticism of the college entrance classics. 2 hours. Professor BAKER

63-64—Theory and practice of teaching art—Lectures, conferences, observation, and practical work. 3 hours. Professor Dow and Miss CORNELL

165-166—Theory and practice of teaching French. 3 hours. Professor COHN

167-168—Theory and practice of teaching geography in secondary schools—Lectures, discussions, and practical work. 3 hours. Professor DODGE and Miss KIRCHWEY

267-268—Practicum in geography. 2 hours. Professor DODGE

169-170—Theory and practice of teaching German in secondary schools—Lectures, discussions, reports, and practical work. 3 hours. Professor BAGSTER-COLLINS

171-172—Theory and practice of teaching Greek in secondary schools—Lectures, reports, and practical work. 3 hours. Professor LODGE

173-174—Theory and practice of teaching history in secondary schools—Lectures, discussions, and practical work. 3 hours. Dr. SULLIVAN

175-176—Theory and practice of teaching Latin in secondary schools—Lectures, reports, and practical work. 3 hours. Professor LODGE

275-276—Practicum in Latin—Cæsar and Vergil. 2 hours. Professor LODGE

77-78—Theory and practice of teaching manual training—Discussions, collateral reading, observation, and practical work. 3 hours. Professor RICHARDS

177-178—Organization of manual training—Discussions, essays, and investigation. 2 hours. Professor RICHARDS

179-180—Theory and practice of teaching mathematics in secondary schools—Lectures, discussions, and practical work. 3 hours. Professor SMITH

279-280—Practicum in the history and teaching of mathematics. 2 hours. Professor SMITH

81-82—Theory and practice of teaching music—Lectures and practical work. 3 hours. Professor FARNSWORTH

87-88—Personal and school hygiene—Lectures, demonstrations, reading, and reports. 1 hour. Professor WOOD

189-190—Theory and practice of physical education—Lectures, readings, reports, and practical work. 3 hours. Dr. SKARSTROM and Assistants

289-290—Practicum in physical education. 2 hours. Professor WOOD

191-192—Theory and practice of teaching physical science in secondary schools—Lectures, laboratory exercises, observation, and practical work. 3 hours. Professor WOODHULL and Miss VAN ARSDALE

291-292—Practicum in physical science. 2 hours. Professor WOODHULL

Electrical Engineering

FRANCIS B. CROCKER, E.M., Ph.D.....	Professor
GEORGE FRANCIS SEVER, M.Sc.....	Professor
FITZHUGH TOWNSEND, A.B., E.E.....	Instructor
MORTON ARENDT, E.E.....	Lecturer
SALISBURY M. DAY, E.E.....	Assistant
CARL A. SCHNEIDER, E.E.....	Assistant

For full information as to the scope of the work in Electrical Engineering, text-books, etc., students are referred to the Announcement of the Course in Electrical Engineering, which may be obtained from the Secretary of the University.

This pamphlet contains a detailed statement of the requirements for the degree of Electrical Engineer, for students either with or without previous collegiate or technical training.

Professors PUPIN and WILLS of the Department of Physics give instruction in some of the theoretical branches of Electrical Engineering. See the statement of the Department of Physics.

Courses 1 and 2 are required of second-year students in Electrical, Mechanical, Mining, and Civil Engineering, and Chemistry, and are open to seniors of the College.

Courses 51, 52, 101, 104, and 173-174, are required of third-year students in Electrical Engineering; 73, 101, and 104, of third-year students in Mechanical Engineering; and 107-108, of third-year students in Chemistry (all courses).

Courses 68 and 177 are required of third-year students in Mining, Civil and Sanitary Engineering, Metallurgy, and of fourth-year students in Chemistry (Course I).

Courses 54, 98, 103, 105, 106, 107-108, 110, 112, 177, 175-176, are required of fourth-year students in Electrical Engineering; and 75, 103, 106, 112, of fourth-year students in Mechanical Engineering.

Course 201 fulfils the residence requirement for a major for Ph.D.

Courses

For the significance of course numbers see page 36

1—Elements of electrical engineering—General electrical principles, laws, measurements, and the introduction to their applications. 2 hours, first half-year. Mr. TOWNSEND

2—Elements of the dynamo—The principles and general construction of dynamo-electric machinery. 1 hour, second half-year. Professor CROCKER and Mr. ARENDT

51—Theory of dynamo-electric machinery—Study of the fundamental actions in dynamos and motors, including the discussion of their characteristic curves. 1 hour, first half-year. Mr. TOWNSEND

52—Design of direct-current machinery. Complete and original design with all calculations and working drawings of a specially assigned electric generator or motor. 2 hours conference and 1 afternoon in drawing-room, second half-year. Professor SEVER

54—Design of alternating-current machinery—Original design of alternating-current generators, motors, transformers, etc. 2 hours, second half-year. Mr. TOWNSEND

68—Electrical engineering—The principles of electrical engineering and their application to general engineering. 1 hour lecture, second half-year. Professor CROCKER and Mr. ARENDT

72—Direct-current laboratory—Short course for students in Civil, Sanitary, and Mining Engineering, Metallurgy, and Chemistry (Course B). 1 afternoon, second half-year. Professor SEVER and Assistants

73—Direct-current laboratory—Short course for students in Mechanical Engineering. 1 afternoon, first half, third year. Professor SEVER and Assistants

75—Alternating-current laboratory—Short course for students in Mechanical Engineering. 1 afternoon, part of first half, fourth year. Mr. TOWNSEND

98—Graduation thesis for degree of Electrical Engineer—Original work and report on a subject approved by the head of the department

101—Dynamo and motor practice—Principles, construction, operation, and testing of dynamos and electric motors. 2 hours, first half-year. Professor SEVER

103—Electric power—Transmission and distribution of electric power, including the principles, construction, and applications of the various types of direct-current, single-phase, and polyphase motors. 2 hours, first half-year. Professor CROCKER and Mr. ARENDT

104—Electrical plants—The design, installation, and operation of electrical generating stations and plants, including a discussion of each of the various elements and methods employed. 2 hours, second half-year. Professor CROCKER and Mr. ARENDT

105—Electrical distribution—Principles and methods; series, parallel, and multiple wire systems; regulation of voltage and current; transformers; interior wiring; meters; arc and incandescent lamps. 2 hours, first half-year. Professor CROCKER and Mr. ARENDT

106—Management of electrical plants—Economy in design, construction, operation, organization, and administration. 2 hours, second half-year. Professor CROCKER and Mr. ARENDT

107-108—Electrochemistry and electrometallurgy; including theory and applications of electrolysis and electrical heating; theory and practice of primary and secondary batteries; production, separation, and purification of chemicals and metals. 1 hour. Professor CROCKER and Mr. ARENDT

110—Telegraph and telephone. 2 hours, second half-year. Professor CROCKER and Mr. ARENDT

112—Electric railway—The design, installation, and operation of the various systems of electric railways. 2 hours, second half-year. Professor SEVER

173-174—Direct-current laboratory—Practice in the use of instruments and in the operation and testing of direct-current dynamos and motors. 2 afternoons. Professor SEVER and Assistants

175-176—Alternating-current laboratory—Practice in the use of instruments and in the operation and testing of alternating-current generators, motors, and transformers. 2 afternoons. Mr. TOWNSEND and Assistants

177—Electrical-instrument laboratory. Advanced electrical measurements of inductance, capacity, magnetism, etc. Storage-battery testing, photometry of electric lamps. 3 afternoons, first half-year. Mr. TOWNSEND and Assistants

201-202—Special problems and original investigations in electrical engineering. Post-graduate work under the direction of the officers of the department.

Equipment

The offices, laboratories, lecture, and other rooms of the Electrical Engineering Department are in the south end of Engineering. In the basement are situated the two machine laboratories, for direct and alternating-current machinery, and alternating-current apparatus.

The various machines include examples of constant potential generators, constant-current, arc-lighting dynamos, many types of stationary and railway motors, and motor-dynamos. Complete sets of ampere, volt, and watt meters, speed indicators, and transmission and absorption dynamometers are available for testing the various dynamos and motors.

The alternating-current apparatus includes single-phase and poly-phase generators, induction and synchronous motors, rotary converters, and various types and sizes of transformers. Complete sets of alternating-current measuring instruments and curve-tracing apparatus are also provided.

The lecture-rooms are provided with an ample supply of electrical energy of different forms, and other facilities for experimental demonstrations. The museum contains cases for the collection of apparatus, models, and materials relating to Electrical Engineering.

The large instrumental laboratory on the third floor contains various forms of galvanometers, ampere balances, potentiometers, standard cells, and resistances; measuring apparatus, laboratory standard volt and ampere meters. A storage battery is provided for testing purposes and for calibration and standardization.

Engineering Draughting

RALPH E. MAYER, C.E.	<i>Adjunct Professor</i>
SAMUEL O. MILLER, C.E.	<i>Tutor</i>
THOMAS H. HARRINGTON, C.E.	<i>Tutor</i>
T. HAMILTON BURCH, Jr., Mech.E.	<i>Assistant</i>

Courses in Drawing

1-2 (a)—Elements of mechanical drawing—Use of instruments; plane problems; freehand lettering; dimensioning

(b)—Projections—Orthographic projection; intersections; developments; problems in descriptive geometry

(c)—Machine drawing—Conventional signs for materials of construction; sketching of machine details. Working drawings; tracings; blue printing

(d)—Topography—Conventional signs; hill shading; mapping.

1 hour a week lecture first half-year, and 6 hours a week draughting throughout the first year. Professor MAYER, Mr. MILLER, and Mr. HARRINGTON

3-4—Descriptive geometry—Problems on point, line, and plane; classification of surfaces; tangent planes to single curved surfaces and surfaces of revolution; intersections; developments; warped surfaces. 1 hour, first half-year, and 2 hours second half-year; first year. Professor MAYER, Mr. MILLER, and Mr. HARRINGTON

5-6 (a)—Graphics—Shades and shadows; perspective; isometric projection; cabinet projection.

(b)—Stone cutting—Buttress; wing-wall; arches.

1 hour lecture and five hours draughting, first half-year; second year. Professor MAYER and Mr. MILLER

7-8 (a)—Structural drawing—Standard rolled sections; conventional riveting signs; standard connections; methods of framing and detailing structural work; beams; columns; plate girder; roof trusses; bridge details.

(b)—Machine drawing—Working drawings; tracing and blue prints of machine details; boiler and engine-room layouts, etc.

1 hour lecture and 5 hours draughting, second half-year; second year. Professor MAYER, Mr. MILLER, and Mr. HARRINGTON

English

BRANDER MATTHEWS, D.C.L., Litt.D., LL.D.....	<i>Professor</i>
GEORGE RICE CARPENTER, A.B.....	<i>Professor, and Secretary of the Department</i>
FRANKLIN THOMAS BAKER, A.M.....	<i>Professor in Teachers College</i>
WILLIAM PETERFIELD TRENT, M.A., LL.D.....	<i>Professor</i>
WILLIAM TENNEY BREWSTER, A.M.....	<i>Adjunct Professor</i>
GEORGE C. D. ODELL, Ph.D.....	<i>Adjunct Professor</i>
WILLIAM ALLAN NEILSON, Ph.D.....	<i>Professor</i>
WILLIAM WITHERLY LAWRENCE, Ph.D.....	<i>Instructor</i>
¹ VIRGINIA CROCHERON GILDERSLEEVE, A.M.....	<i>Tutor</i>
ALLAN FERGUSON WESCOTT, A.M.....	<i>Tutor in Teachers College</i>
GEORGE PHILIP KRAPP, Ph.D.....	<i>Lecturer</i>
ARMOUR CALDWELL, A.B.....	<i>Lecturer</i>
ALGERNON DE V. TASSIN, A.B.....	<i>Lecturer</i>
GRACE A. HUBBARD, A.M.....	<i>Lecturer</i>
WILLIAM BELMONT PARKER, A.B.....	<i>Lecturer</i>
EMERY POTTLE, A.B.....	<i>Lecturer</i>
AZUBAH JULIA LATHAM, A.B.....	<i>Lecturer in Teachers College</i>

¹ Absent on leave.

MARGARET ELIZABETH BALL, A.M.....	Assistant
HARRISON ROSS STEEVES, A.M.....	Assistant
JOHN GABBERT BOWMAN, A.M.....	Assistant
STEWART SLOSSON, A.B.....	Assistant

Course **A** is given at Columbia College, at Barnard College, and at Teachers College.

The undergraduate courses **B**, 1-2, 7-8, 21-22, 23-24, 27-28, 29-30, 35-36, are given both at Columbia College and at Barnard College.

Course 41-42 is given only at Columbia College.

Courses 39-40 and 45-46 are given only at Barnard College.

Courses 201-202 and following, and Seminars **A**, **B**, and **C** are for graduate students only, and are open to both men and women, with the exception of Courses 241-250, which are not open to women.

Bracketed courses are not given in 1905-06.

For pre-requisites for admission into courses, and a fuller description of the scope of each course, see the Circular of the Division of Modern Languages and Literatures.

Courses

For the significance of course numbers see page 36

A—English literature and composition. 3 hours. Professor ODELL, Mr. STEEVES, Mr. SLOSSON, and Mr. BOWMAN (Columbia College); Professor BREWSTER and Mr. TASSIN (Barnard College); Mr. WESCOTT (Teachers College)

B—English literature and composition. 2 hours (Columbia); 3 hours (Barnard). Mr. CALLWELL and Mr. POTTLE (Columbia); Mr. PARKER and Miss BALL (Barnard)

1-2—English composition—Daily themes and fortnightly essays, lectures, and consultations. 3 hours. Professor G. R. CARPENTER (Columbia); Professor BREWSTER (Barnard)

7-8—Elocution—Lectures and exercises. 2 hours. Mr. PARKER (Columbia); Mr. TASSIN (Barnard)

11-12—Public speaking and debating. 3 hours. Mr. PARKER (Columbia)

21-22—American literature. 3 hours (Columbia); 2 hours (Barnard). Professor BRANDER MATTHEWS, Mr. CALDWELL (Columbia); Professor TRENT (Barnard)

23-24—English literature in the nineteenth century. 3 hours. Professor ODELL and Mr. SLOSSON (Columbia); Miss HUBBARD (Barnard)

[25-26—English literature from 1557 to 1660. 3 hours (Columbia); 2 hours (Barnard). Professor ODELL (Columbia); Professor TRENT (Barnard)]

27-28—English literature from 1660 to 1789. 3 hours (Columbia); 2 hours (Barnard). Professor ODELL (Columbia); Professor TRENT (Barnard)

Courses 25-26 and 27-28 are given in alternate years.

29-30—English literature of the earlier periods. 3 hours. Dr. LAWRENCE (Columbia); Dr. KRAPP (Barnard)

35-36—Shakspeare. 2 hours. Dr. LAWRENCE (Columbia); Professor NEILSON (Barnard)

39-40—The development of English fiction. 3 hours. Professor BREWSTER (Barnard)

41-42—The development of the English drama. 3 hours. Professor BRANDER MATTHEWS and Mr. STEEVES (Columbia)

45-46—English literary criticism. 2 hours. Professor G. R. CARPENTER (Barnard)

201-202—The theory of literary art. 1 hour. Professor G. R. CARPENTER

[203-204—The theory of English usage. Professor G. R. CARPENTER]

205-206—English literary criticism. 1 hour. Professor G. R. CARPENTER

[207-208—English prose. Professor BREWSTER]

211-212—The principles of English philology. 2 hours. Dr. KRAPP

215-216—Anglo-Saxon. 2 hours. Dr. KRAPP

225-226—English literature from 1200-1557. 2 hours. Dr. LAWRENCE

227-228—Chaucer. 2 hours. Professor NEILSON

229-230—Mediaeval narrative literature. 2 hours. Professor NEILSON and Dr. LAWRENCE

231-232—English literature from 1625-1701. 2 hours. Professor TRENT

[233-234—English literature from 1701-1798. 2 hours. Professor TRENT]

[235-236—English literature in the first half of the nineteenth century. 2 hours. Professor TRENT]

Courses 231-232, 233-234, and 235-236 are given in successive years.

241-242—Development of the drama. 2 hours. Professor BRANDER MATTHEWS

[243-244—Dramatists of the nineteenth century. 2 hours. Professor BRANDER MATTHEWS]

Courses 241-242 and 243-244 are given in alternate years.

245-246—Molière and modern comedy. 2 hours. Professor BRANDER MATTHEWS

[247-248—English comedy: its history and its methods. 2 hours. Professor BRANDER MATTHEWS]

Courses 245-246 and 247-248 are given in alternate years.

249-250—The history of the drama—Special topics. Professor BRANDER MATTHEWS

Seminar A—Problems in the study of Shakespere. 2 hours. Professor NEILSON

Seminar B—Topics in eighteenth century literature. 2 hours. Professor TRENT

Seminar C—Discussion of dissertations. Professors TRENT and NEILSON, Dr. KRAPP, and Dr. LAWRENCE

Undergraduate Courses in Teachers College

T. C. A—Rhetoric and composition—Lectures, weekly or tri-weekly themes, and conferences. 3 hours. Mr. WESCOTT

T. C. 1-2—Shakspere—Recitations, lectures, fortnightly reports, and conferences. 2 hours. Mr. WESCOTT

T. C. 3-4—English usage—Lectures, recitations, and reports. 2 hours. Mr. WESCOTT

T. C. 5-6—Nineteenth century writers—Recitations, conferences, and reports. 2 hours. Professor BAKER

T. C. 7-8—Oral reading. 2 hours. Miss LATHAM

Fine Arts

Eight courses in Fine Arts are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College* and the special circular of the department, which will be sent, without charge, upon application to the Secretary of the University.

(See also the Departmental Statements of Architecture and Music in this volume.)

French

(See Romance Languages and Literatures)

Geography

RICHARD E. DODGE, A.M. *Professor*
CLARA B. KIRCHWEY *Instructor*

Courses

There are five courses given under the auspices of Teachers College: 1-2, 3, 4, 5-6, 105-106. See also Education 68, 167-168, 267-268

1-2—General geography. Lectures, laboratory work, and collateral reading. Counting as a six-hour course. Professor DODGE and Miss KIRCHWEY

3—The geography of the United States—Lectures and library work.
2 hours. Professor DODGE

4—Commercial geography for schools—Lectures and library work.
2 hours. Professor DODGE

5-6—Physiography and climatology—Lectures, laboratory, and library work, counting as a six-hour course. Professor DODGE and Miss KIRCHWEY

105-106—Advanced physiography—Laboratory and library work with conferences, counting as a six-hour course. Professor DODGE

Equipment

The Department of Geography occupies a suite of five rooms on the second floor of Teachers College. A lecture-room capable of holding fifty, a well-lighted laboratory with table spaces for thirty, two offices, and a large work- and stock-room, compose the suite. The lecture-room is furnished with lantern, models, and wall maps; the laboratory contains several large models, and has a set of the more important weather instruments in an outdoor shelter. The supply of topographic, climatic, and special maps, of diagrams, of physical models, and of lantern slides is large, and has been especially chosen for use in the several courses announced above.

Geology

JAMES FURMAN KEMP, A.B., E.M.....	Professor
AMADEUS WILLIAM GRABAU, S.D.....	Professor
CHARLES PETER BERKEY, Ph.D.....	Tutor
ALEXIS ANASTAY JULIEN, Ph.D.....	Curator
IDA HELEN OGILVIE, Ph.D.....	Lecturer in Barnard College
WILLIAM CAMPBELL, Ph.D.....	Special Lecturer
THOMAS C. BROWN, A.M.....	Assistant
CLARENCE EVERETT GORDON, A.M....	Assistant in the Summer Session

For full information regarding the following courses see the Announcement of the Division of Geology, Geography, and Mineralogy.

Courses 4, 16, 18, 103-104, 105-106, 110, 112, and 201-202 are open to students in Applied Science.

Courses

For the significance of course numbers see page 36

4—Petrography. 2 lectures and 1 afternoon for two months. Compare Mineralogy 6. Dr. BERKEY

16—Index fossils—A study of American fossil faunas. 1 lecture and 8 or more hours laboratory. Pre-requisite, Course 101-102 or 103-104. Professor GRABAU and Mr. BROWN

18—General geology. 3 hours lectures during the second term. Field work on Saturdays during the last six weeks. Special course for students in Civil Engineering. Dr. BERKEY

101-102—General geology. 2 hours lectures and 2 hours laboratory, counting as a three-hour course. Professor GRABAU, Dr. BERKEY, and Mr. BROWN

103-104—General geology. 3 hours lectures. Professor KEMP, Professor GRABAU, and Dr. BERKEY

105-106—Economic geology. 3 hours lectures. Professor KEMP

107-108—Invertebrate palæontology. 2 lectures and at least 4 hours laboratory. Professor GRABAU and Mr. BROWN

110—Geological examinations and surveys—A discussion of field methods and of the organization of geological surveys. 2 lectures. Professor KEMP

112—Field geology—Ten days field work, and report upon the same, during the vacation. Given in two sections, the Eastern section immediately at the close of the spring examinations, the Western section in connection with Mining **11**

201-202—Petrology. 2 lectures and at least 4 hours laboratory. Professor KEMP and Dr. BERKEY

205-206—Comparative geology—A comparative description and study of the geological formations of North America. 3 lectures and 4 hours reading and laboratory. Professor KEMP for the crystalline and pre-Cambrian rocks, Professor GRABAU for the fossiliferous

207-208—A dissertation which will furnish the major course for the concluding year of study for the degree of Doctor of Philosophy.

209-210—Geology of Europe. 2 lectures and 4 hours laboratory and library work. Professor GRABAU and Dr. CAMPBELL

211-212—Phylogeny of a special group of fossil invertebrates. 6 or more hours laboratory and conference by appointment. Pre-requisite, Course **107-108**. Professor GRABAU

213-214—Fossil faunas—A more extended course which may be taken as a minor or partial major. 6 hours or more laboratory, and additional conferences. Professor GRABAU

215-216—Stratigraphy—Faunas of a special horizon or locality. 6 hours or more laboratory and conference by appointment. Professor GRABAU

217-218—Palæogeography of North America. A study of the development and changes of continents and ocean basins in the past. 1 hour seminar, and laboratory according to arrangement. Pre-requisite, Geology **205-206**, and **16** or **213-214**. Professor GRABAU

B 101-102—General geology—A course in general geology, 3 lectures weekly, and equivalent to Course **101-102** above, is offered students from Barnard and Teachers Colleges. Dr. OGILVIE

B 113—Summer Field Course—Two weeks in the field, involving the subsequent preparation of a report. Pre-requisite, Course **B 101-102** or its equivalent. Dr. OGILVIE

B 115-116—Palæontology—The invertebrate faunas of North America. 1 lecture, 2 or 4 hours of laboratory work. Pre-requisite, Course **B 101-102** and Zoölogy 1-2. Dr. OGILVIE

The department has ample laboratories and a full equipment for its several lines of work, details of which will be found in the Circular of the Faculty of Pure Science.

Related courses in Physiography are given in Teachers College by Professor R. E. DODGE in close association with this department.

The following courses in Palæobotany are offered at the New York Botanical Garden by Dr. ARTHUR HOLLICK

General palæobotany—Developmental history and structure of the fossil flora of some selected locality. Laboratory and museum.

Cretaceous flora of eastern North America—Collection and determination of specimens from some station with attention to stratigraphic relations. Field and laboratory.

The palæobotanical library and collections of Columbia University have been deposited at the New York Botanical Garden.

Germanic Languages and Literatures

WILLIAM HENRY CARPENTER, Ph.D.... *Villard Professor of Germanic Philology*

¹ CALVIN THOMAS, LL.D., *Gebhard Professor of the Germanic Languages and Literatures*

ELIJAH WILLIAM BAGSTER-COLLINS, A.M..... *Adjunct Professor in Teachers College*

WILLIAM ADDISON HERVEY, A.M..... *Adjunct Professor*

RUDOLF TOMBO, JR., Ph.D..... *Adjunct Professor*

ARTHUR F. J. REMY, Ph.D..... *Instructor*

WILHELM ALFRED BRAUN, Ph.D..... *Tutor in Barnard College*

ANNINA PERIAM, A.M..... *Tutor in Barnard College*

FREDERICK WILLIAM JUSTUS HEUSER, A.M..... *Tutor*

ERNST RICHARD, Ph.D..... *Lecturer*

PHILIPP SEIBERTH, A.M..... *Lecturer in Barnard College*

The department, as its name implies, offers instruction, not only in German, but in the kindred languages and literatures of the other members of the Germanic group. The courses offered by the department are grouped under the following heads: German, Scandinavian languages, Dutch, Gothic, and Germanic Philology. In German the aim of the instruction is primarily to enable students to use the modern language with facility in reading, writing, and, as far as possible, in speaking, and to acquaint them with the masterpieces of German

¹ Absent on leave.

literature. Opportunity is also given to acquire a reading knowledge of the languages of the other Germanic nations, and to study their literatures. Parallel courses are arranged in such a way that, while both language and literature are combined in the earlier courses, either side may be subsequently emphasized at will. Courses are also given in the philology of the whole Germanic group. Work supplementary to the lectures is given in the Seminar.

Course **A** is prescribed for freshmen in the College who did not present Elementary German at entrance. **B** is prescribed for freshmen who presented Elementary German at entrance, unless they presented Intermediate French, or take French **B**; it is open as an elective to students who have taken **A**. 2 is open to students who have attained marked proficiency in the first half-year of **A**. 3-4 is open to students who presented Elementary German at entrance, or have taken **A**. 5-6, 7, 8 are open to students who presented the Intermediate requirement at entrance, or have taken **B** or 2. 9, 10 are open to students who have taken, or are taking, 5-6. 11-12 is open to students who have taken 3-4, 5-6, 7 or 8. 101-102, 107-108 are open to students who have taken 5-6, 7-8. 103-104 is open to students who have taken 5-6. 117-118, 119-120, 125-126 are open to students who have taken 5-6, or 7-8. 105-106, 113-114, 129-130 are open to students who have taken 101-102. 109-110, 111-112, 115-116, 121-122, 127-128 are open to students who have taken 107-108. 123-124 is open to students who have taken 121-122.

Courses **A**, **B**, 2, 3-4, 5-6, 7, 8, 9, 10, 11-12 may not be counted towards the degree of Master of Arts or Doctor of Philosophy, and all other courses may be so counted only when such additional work is taken in connection with them as may be prescribed by the Instructor in charge.

With the exception of these courses, all the courses in this department are open to women on the same terms as to men. Women wishing to enter any of the courses as non-matriculated students or as candidates for the bachelor's degree must register through Barnard College or Teachers College.

Education 169-170 is given in Teachers College.

Courses 105-106, 109-110, 113-114, 117-118, 119-120, 123-124, 203-204 are not given in 1905-06.

Courses in German

For the significance of course numbers see page 36

A1-A2—Elementary course. 3 hours. Professor HERVEY and Mr. SEIBERTH

B—Intermediate course. 3 hours. Reading, grammar, and composition. Dr. REMY and Mr. SEIBERTH

2—Longer Elementary course. 5 hours. Dr. REMY and Mr. SEIBERTH

3-4—Composition and colloquial practice. 2 hours. Mr. HEUSER

5-6—Selected works of Goethe, Schiller, and Lessing. Texts, chiefly dramatic, and essays. 3 hours. Professor HERVEY

7—Historical prose—Selections from Freytag's *Bilder aus der deutschen Vergangenheit*, and other works of a historical character. 2 hours. Professor TOMBO

8—Historical prose. 2 hours. Professor TOMBO

9—Lessing's *Laokoön*. Lectures and recitations. 2 hours. Dr. REMY

10—Lessing's *Hamburgische Dramaturgie*. Lectures and recitations. 2 hours. Dr. REMY

11-12—Composition and colloquial practice—Advanced course. Talks and themes, all in German, upon linguistic and literary topics. 2 hours. Dr. REMY and Mr. SEIBERTH

101-102—History of German literature from the earliest times to the nineteenth century. Lectures, themes, and readings from Müller's *German Classics*. 2 hours. Professor TOMBO

103-104—Goethe's *Faust*; first and second parts. Lectures and recitations. 2 hours. Professor HERVEY

[105-106—History of German literature in the nineteenth century. Lectures. 2 hours. Professor THOMAS]

107-108—History of the German language from the Old High German period to the present day. Lectures and texts. 2 hours. Professor W. H. CARPENTER

[109-110—Old High German. Lectures and texts. 2 hours. Professor TOMBO]

111-112—Middle High German. Lectures and texts. 2 hours. Professor HERVEY

[113-114—Epochs of German culture, with special reference to the Middle Ages. Lectures, themes, and readings. 2 hours. Professor HERVEY]

115-116—Old Saxon. Lectures and texts. 2 hours. Professor TOMBO

129-130—History of German civilization. Lectures and readings from sources. 2 hours. Dr. RICHARD

Education 169-170—Theory and practice of teaching German in secondary schools. Lectures, discussions, and reports, 2 hours; practical work, 2 hours. Professor BAGSTER-COLLINS

Given in Teachers College

201-202—Proseminar. Great German writers. Lessing (first half-year). Goethe (second half-year). 2 hours. Professor HERVEY.

[203-204—Proseminar. Great German writers. Schiller (first half-year). Heine (second half-year). 2 hours. Professor THOMAS]

Courses in Scandinavian Languages

[117-118—Swedish. Elementary Course. 2 hours. Professor THOMAS]

[119-120—Danish. Elementary Course. 2 hours. Professor THOMAS]

121-122—Icelandic. Elementary Course. 2 hours. Professor W. H. CARPENTER

[123-124—Icelandic. Advanced Course. 2 hours. Professor W. H. CARPENTER]

Course in Dutch

125-126—Dutch. 2 hours. Elementary Course. Professor W. H. CARPENTER

Course in Gothic

127-128—Gothic. Lectures and texts. 2 hours. Dr. REMY

Course in Germanic Philology

205-206—General Introduction to Germanic philology. Lectures and exercises. 2 hours. Dr. REMY

Germanic Seminar

207-208—Richard Wagner's *Der Ring des Nibelungen*, and its relation to its sources. 2 hours. Professor W. H. CARPENTER

The Seminar is open to advanced students only. Attendance at the meetings will be obligatory upon candidates for the degree of Doctor of Philosophy whose major subject lies in this department.

Public Lectures

A course of lectures in the German language on popular subjects, intended primarily for the students of the University, but to which the general public is also invited, is given yearly under the auspices of the department.

Journal Club

The Journal Club is an organization founded in 1902 for the purpose of reviewing and discussing important contributions to recent numbers of the numerous journals devoted to Germanic studies. The Club consists of the officers, fellows, and scholars of the department. Meetings are held once in two weeks in the departmental library.

Deutscher Verein

The Deutscher Verein of Columbia University, founded in 1898, is an association of the students and instructors of the University who are interested in the culture of the German language and literature, and in the acquisition of a more intimate knowledge of Germany, of German institutions, and of the German people than is furnished by

academic study alone. The active membership consists of instructors in all departments of the University, of students in residence to the limited number of fifty, and of previous members of the Verein who are no longer students. An honorary membership is made up of prominent German-speaking citizens of New York. Stated meetings are held on the second and fourth Mondays of each month in the room assigned to the Verein in West Hall, which is accessible at all times and forms a convenient club and reading-room.

Equipment

The University Library offers excellent facilities for the study of German, both on the literary and the linguistic side. In German literature most periods are well represented. The Goethe collection, which consists of more than 1300 titles, affords to the student of Germany's greatest author an exceptional opportunity for the prosecution of his researches. The Scandinavian collection contains a good representation of the ancient saga and poetical literature, and most of the eminent writers of modern Norway, Denmark, and Sweden. The Holland Society library, deposited with the University in 1901, contains a considerable collection of books and pamphlets in the Dutch language from all periods.

The Library has sets and the current numbers of all the important periodicals which deal with Germanic literature and Germanic and general philology. It has also sets of periodicals no longer published, and a large collection of the transactions and publications of the learned societies of America and Europe.

A reference library of 1200 volumes, containing the most important subsidia for the critical study of the Germanic languages and literatures—dictionaries, bibliographies, biographies, histories of literature, and the like—and independent of the main collection in the University Library, is placed in a room adjacent to the main lecture-room and the offices of the department in University Hall.

The income of the Carl Schurz Library Fund (\$10,000), contributed by citizens of New York in commemoration of the seventieth birthday of Carl Schurz, is, by the terms of the gift, devoted in perpetuity to the purchase of books in the field of the German language and literature.

The Carl Schurz Fellowship in the German Language and Literature, of the value of eight hundred dollars, the income of a fund (\$10,000) contributed by citizens of New York in commemoration of the seventieth birthday of Carl Schurz, is awarded every alternate year, beginning July 1, 1902.

Greek

EDWARD DELAVAN PERRY, Ph.D., LL.D.....*Jay Professor*
 JAMES RIGNALL WHEELER, Ph.D.....*Professor*
¹ MORTIMER LAMSON EARLE, Ph.D....*Professor of Classical Philology*

¹ Died September 26, 1905.

GONZALEZ LODGE, Ph.D.....	<i>Professor of Greek and Latin in Teachers College</i>
CLARENCE HOFFMAN YOUNG, Ph.D.....	<i>Professor</i>
CHARLES KNAPP, Ph.D.....	<i>Adjunct Professor of Classical Philology</i>
GERTRUDE MARY HIRST, Ph.D.....	<i>Instructor in Classical Philology in Barnard College</i>
ROSCOE GUERNSEY, Ph.D.....	<i>Tutor</i>
HARWOOD HOADLEY, A.B....	<i>Lecturer in Classical Philology in Barnard College</i>
LILLIE M. LAWRENCE.....	<i>Assistant in Classical Philology in Barnard College</i>

All Courses numbered below 100, except as given at Barnard College, are closed to women, but Course 27-28 is open to women graduates. The other courses are open to women on the same terms as to men.

[NOTE.—Only courses offered in 1905-06 are here given.]

For more detailed information as to the scope of each course, the work pre-requisite to it, and the like, consult the Announcement of the Division of Classical Philology for 1905-06 (with Supplement).

Courses

For the significance of course numbers see page 36

1-2—Elementary course. 5 hours. Dr. GUERNSEY

3-4—First half-year: Selections from Plato and Lysias. Second half-year: Homer's *Odyssey*, selections. Greek prose composition fortnightly throughout the year. 3 hours. Dr. GUERNSEY

5-6—First half-year: Euripides' *Alcestis*; Sophocles' *Ajax*; required reading (in English, French, or German, at the option of the student), and lectures on the Greek drama. Second half-year: Selections from Demosthenes, with required reading as above. 3 hours. Professor YOUNG (first half year) and Dr. GUERNSEY (second half-year)

An additional hour weekly in advanced Greek composition will be offered by Dr. GUERNSEY, and students who take this may count Course 5-6 as a four-hour course

21-22—Rapid reading of Homer. 2 hours. Professors WHEELER and PERRY

25-26—First half-year: Sophocles' *Electra* and Æschylus' *Prometheus*. Second half-year: Selections from Thucydides. For private reading in the course of the year, with occasional conferences with the instructor: Plato, *Protagoras* or selections. 3 hours. Dr. GUERNSEY (first half-year) and Professor YOUNG (second half-year)

27-28—Greek composition, advanced course. One session weekly, with written exercises, counting as a two-hour course. Professor YOUNG

29-30—New Testament Greek. 2 hours. Professor YOUNG

- 51—Elements of Greek Archæology. 2 hours. Professor YOUNG
- 101-102—Lectures on Greek Literature. Part I.: Poetry. 2 hours. Professor WHEELER
- 111-112—Aristotle's Poetics, with illustrative reading of plays. 3 hours. Professor WHEELER
- 115-116—The Attic orators. 3 hours. Professor PERRY
- 153-154—Introduction to Greek Archæology. Part II: Sculpture. 2 hours. Professor YOUNG
- 159-160—The Acropolis of Athens. 2 hours. Professor WHEELER
- 251-252—Greek dialect inscriptions. 2 hours. Professor PERRY
- 253-254—Greek epigraphy. 2 hours. Professor YOUNG

Classical Proseminar

Lectures on the principles and methods of classical study, with Greek and Latin bibliography. 2 hours. Professors PERRY and PECK

Classical Seminar

Greek section: Critical study of Euripides. One session weekly throughout the year, counting as a three-hour course. Professor WHEELER

Attendance is obligatory upon candidates for the degree of Doctor of Philosophy, and strongly recommended to those for the master's degree, whose major subject lies in this department.

Courses in New Testament Greek at the Union Theological Seminary and the General Theological Seminary

Such courses may count as *part* of the work required for the degrees of Master of Arts and Doctor of Philosophy at Columbia University; but students who intend to avail themselves of this privilege must come to an understanding with the Dean of the Faculty of Philosophy of Columbia University with regard to equivalence of courses and additional work required, at the time of registering themselves, or of renewing their registration, as candidates for a degree.

Courses in Barnard College

- 1-2—Beginners' course: Grammar, composition, Xenophon's *Anabasis*, Homer's *Iliad*. 5 hours. Miss LAWRENCE
- 3-4—Plato: *Apology*, *Crito*, and *Euthyphro*; first half-year. Homer: *The Odyssey* (selections); second half-year. Greek prose composition. 3 hours. Dr. HIRST and Mr. HOADLEY
- 5-6—Euripides: *Alcestis* and *Iphigenia in Tauris*; first half-year. Demosthenes: *Olynthiacs* and *Philippics*; second half-year. 3 hours. Professor KNAPP and Mr. HOADLEY
- 21-22—Rapid reading of Homer. 3 hours. Mr. HOADLEY and Professor WHEELER

25-26—Sophocles: *Antigone* and *Œdipus Tyrannus*; first half-year. Thucydides; second half-year. 3 hours. Mr. HOADLEY and Professor KNAPP

27-28—Advanced Greek prose composition. 2 hours. Professor KNAPP

29-30—New Testament Greek: Reading of the *Gospel according to Luke* and the *Acts of the Apostles*, with special regard to the forms and idioms of New Testament Greek. 2 hours. Professor YOUNG

31-32—First half-year: Plato. Second half-year: *Æschylus* and Pindar. 3 hours. Professor PERRY and Mr. HOADLEY

Courses in Teachers College

Education **171-172**—Theory and practice of teaching Greek in secondary schools—Lectures, reports, and practical work. 3 hours. Professor LODGE

Education **136**—Practicum in Greek. Xenophon and Homer. Lectures, interpretations, and reports. 2 hours. Professor LODGE

Gynecology

EDWIN B. CRAGIN, M.D.....	Professor
WILLIAM S. STONE, M.D.....	Chief of Clinic and Instructor
FRANK S. MATHEWS, M.D.....	Instructor
FRANK R. OASTLER, M.D.....	Instructor
HOWARD C. TAYLOR, M.D.....	Instructor
WILLIAM P. HEALY, M.D.....	Instructor
CHARLES J. PROBEN, M.D.....	Instructor

Clinical Assistants

WM. L. BRADLEY, M.D.	PERCY K. WILLIAMS, M.D.
HAROLD D. MEEKER, M.D.	

Courses

Courses **2** and **3** are required in the third year of candidates for the degree of M.D., and Courses **5-6** and **7-8** in the fourth year. Course **9-10** is optional in the fourth year.

2—The principles and practice of gynecology—Lectures, 3 a week, 2 didactic and 1 clinical, during the second half-year. Professor CRAGIN

3—Recitations and demonstrations. 1 hour a week for each student, first half-year. Dr. MATHEWS

5-6—Minor operations and demonstrations to small sections at the Roosevelt Hospital. 3 times a week for two weeks. Dr. TAYLOR

7-8—Practical instruction in diagnosis, treatment, and the use of instruments. 12 lessons for each student, at the Vanderbilt Clinic. Drs. STONE, OASTLER, PROBEN, and HEALY

9-10—Hospital clinic in operative gynecology—Roosevelt Hospital, McLane Operating Theatre, Dr. TUTTLE

Histology and Embryology

(See note under Pathology, page 131)

FREDERICK RANDOLPH BAILEY, M.D.	<i>Adjunct Professor of Histology and Embryology</i>
ADAM MARION MILLER, A.M.	<i>Instructor in Histology and Embryology</i>
OLIVER S. STRONG, A.M., Ph.D.	<i>Instructor in Histology and Embryology</i>
CHARLES EVERETT BANKER, M.D.	<i>Assistant in Histology and Embryology</i>
CHARLES HENDEE SMITH, M.D.	<i>Assistant in Histology and Embryology</i>

Courses

Further details respecting the following courses are to be found in the special Bulletin of Information of the College of Physicians and Surgeons.

Course 1 in Histology and Embryology is required, in the first year, of candidates for the degree of M.D.

1-2—Practical instruction in Histology and Embryology. Seven and one half hours a week throughout the academic year. Professor BAILEY and Drs. STRONG, MILLER, BANKER, and SMITH

Equipment

Instruction in histology and embryology is given in the east laboratory on the upper floor of the north wing of the Medical School. This is a large, well lighted, and fully equipped laboratory in which each student is assigned a table which he occupies during the course and which is supplied with a microscope and with the instruments and reagents necessary for the practical laboratory work.

History and Political Philosophy

WILLIAM MILLIGAN SLOANE, Ph.D., L.H.D., LL.D.	<i>Seth Low Professor</i>
HERBERT LEVI OSGOOD, Ph.D.	<i>Professor</i>
WILLIAM ARCHIBALD DUNNING, Ph.D., LL.D.	<i>Lieber Professor of History and Political Philosophy</i>
JAMES HARVEY ROBINSON, Ph.D.	<i>Professor</i>
WILLIAM ROBERT SHEPHERD, Ph.D.	<i>Adjunct Professor</i>
¹ JAMES THOMPSON SHOTWELL, Ph.D.	<i>Adjunct Professor</i>
GEORGE WILLIS BOTSFORD, Ph.D.	<i>Adjunct Professor</i>

¹ Absent on leave.

VLADIMIR G. SIMKHOVITCH, Ph.D.....	Adjunct Professor
CHARLES AUSTIN BEARD, Ph.D.....	Lecturer
CHARLES WILLIAM RAMSDELL, A.M.....	Assistant
MAUDE ALINE HUTTMANN, A.M.....	Assistant

There are three groups of courses in this department: disciplinary, narrative, and research. Courses **A1-A2** are required of all candidates for the A.B. degree; with it may be classed courses 3-4, 5-6, 7-8, 9-10, 11-12, 13-14. Courses 101-102, 103, 104, 111-112, 127-128, 139-140, 141-142, 143-144, 155-156, 157-158, 169-170, and 181-182 are preparatory to the independent investigation of historical subjects; courses 127-128, 155-156, 157-158, and 169-170 being open to properly qualified students of Barnard College; and the rest are intended for the training of candidates for the higher degrees. These may be supplemented and complemented by courses given in other departments which deal with subjects constituting an integral part of the domain of history.

For information as to the Theodore Roosevelt Professorship consult the index.

The following courses are not given in 1905-06: 3-4, 9-10, 101-102, 139-140, 141-142, 155-156, 213-214, 231-232, 299-300, 301-302, 325-326.

Courses

For the significance of course numbers see page 36

A1-A2—Epochs of ancient, mediæval, and modern history. 3 hours. Columbia College, Professor SHEPHERD, Dr. BEARD, and Mr. RAMSDELL; Barnard College, Dr. BEARD and Miss HUTTMANN

[3-4—Greece and Early Rome. 3 hours. Professor BOTSFORD]

5-6—The Roman Empire. 3 hours. Professor BOTSFORD

7-8—Mediæval and Modern history to the peace of Westphalia. 3 hours. Mr. RAMSDELL

[9-10—Continental European history, modern and contemporaneous. 3 hours. Dr. BEARD]

11-12—English history to the Reform Bill, 1832. 3 hours. Dr. BEARD

13-14—History of the United States to the close of Reconstruction, 3 hours. Columbia College, Professor DUNNING; Barnard College, Professor SHEPHERD

[101-102—The history of western Asia and Egypt. 2 hours. Professor PRINCE]

103—History of India and of Persia. 2 hours. Professor JACKSON

104—The rise of Arabian civilization and the spread of Moham-
medanism. 2 hours. Professor GOTTHEIL

111-112—The language, literature, government, and social life of the Chinese. 1 hour. Professor HIRTH

127-128—The intellectual history of western Europe from the break-up of the Roman Empire to the Protestant revolt. 2 hours. Professor ROBINSON

139-140—Europe and the French Revolution. 2 hours. Professor ROBINSON

141-142—European history, 1815-1848. 2 hours. Professor SLOANE

143-144—Contemporary European history since 1848. 2 hours. Professor SLOANE

155-156—The constitutional history of England to 1689. 2 hours. Professor OSGOOD

157-158—History of Great Britain during the eighteenth and nineteenth centuries. 2 hours. Professor OSGOOD

169-170—Political and constitutional history of the United States. 2 hours. Columbia College, Professor BURGESS; Barnard College, Professor SHEPHERD

201-202—History of China. 1 hour. Professor HIRTH

213-214—The period of transition in Roman history from the Republic to the Empire. 2 hours. Professor BOTSFORD

215-216—Greek constitutional history. 2 hours. Professor BOTSFORD

217-218—The development of the Roman imperial system. 2 hours. Professor BOTSFORD

223-224—Seminar in Greek and Roman history. 2 hours, bi-weekly. Professor BOTSFORD

227-228—Historical bibliography; the sources of European history; methods of historical study. 2 hours. Professors ROBINSON and SIMKHOVITCH

229-230—Early mediæval institutions and culture from the break-up of the Roman Empire to the twelfth century. Open only to those who can read Latin, French, and German readily. 2 hours. Professor ROBINSON

231-232—History of culture from the twelfth century to the Protestant revolt. 2 hours. Professor ROBINSON

239-240—Seminar in later mediæval and modern European history. 2 hours, bi-weekly. Professor ROBINSON

245—History of the primitive and early Catholic church.¹ 3 hours. Professor MCGIFFERT

246—History of the western Catholic church and of the Protestant reformation.¹ 3 hours. Professor MCGIFFERT

¹ These courses are given at the Union Theological Seminary.

247-248—History of Christian doctrine II.¹ (Since the Reformation.) 2 hours. Professor McGIFFERT

249—Historical training class. Principles and methods of historical investigation.¹ 2 hours. Professor McGIFFERT

251-252—Seminar in church history.¹ 2 hours. Professor McGIFFERT

263—History of the church for the first three centuries.² 2 hours. Professor KINSMAN

264—Period of the councils.² 2 hours. Professor KINSMAN

265—Latin Christianity from the fifth to the fifteenth century.² 2 hours. Professor KINSMAN

266—The Renaissance and Continental Reformation.² 2 hours. Professor KINSMAN

267—The church of England to the end of the seventeenth century.² 2 hours. Professor KINSMAN

268—Development of Christianity in modern times.² 2 hours, second half-year. Professor KINSMAN

269—Critical study of books I-IV of Eusebius' Church History.² 1 hour. Professor KINSMAN

271—The Roman church of the first three centuries.² 1 hour. Professor KINSMAN

281—The economic and social evolution of Russia since 1800. 2 hours. Professor SIMKHOVITCH

289—The work of Napoleon. Open to such selected individuals as give evidence of capacity for original research, and the ability to read French and German fluently is indispensable to admission. 2 hours. Professor SLOANE

297-298—American colonial history during the seventeenth century. This course is open only to approved candidates for the A.M. and Ph.D. degrees and to such special students as receive permission to attend. 2 hours. Professor OSGOOD

299-300—American colonial history during the eighteenth century. Open to the same class of students as History 297-298. 2 hours. Professor OSGOOD

301-302—The American Revolution. 2 hours. Professor OSGOOD

303-304—Seminar in American colonial history. 1 hour. Professor OSGOOD

306—European politics and the war of 1812. Open to selected individuals who show capacity for original research and is open only to those who read French and German fluently. 2 hours. Professor SLOANE

¹ These courses are given at the Union Theological Seminary.

² These courses are given at the General Theological Seminary.

307-308—The United States from 1850, with special reference to the Civil War and Reconstruction. 2 hours. Professor DUNNING

309-310—Seminar in later United States history. 1 hour. Professor DUNNING.

321-322—History of Spanish America. 2 hours. Professor SHEPHERD

323-324—Seminar in the early history of the South and West. 2 hours, bi-weekly. Professor SHEPHERD

325-326—The development of the West since 1803. 2 hours a week. Professor SHEPHERD

Courses in Political Philosophy

181-182—General history of political theories. 2 hours. Professor DUNNING

337-338—American political philosophy. 2 hours. Professor DUNNING

339-340—Seminar in political philosophy. 1 hour. Professor DUNNING

Equipment

The University Library is one of the two or three best similar institutions in the country. It contains about 350,000 volumes, among which are many of the great published collections for the study of ancient, mediæval, and modern history. The special library of history and political science numbers upwards of 100,000 volumes. The great libraries of New York, Astor, Lenox, and Tilden foundations, those of the New York and Long Island Historical Societies, and of the Bar Association are, under certain conditions, also accessible to students. Fuller information as to courses and opportunities for historical work is given in the *Announcement of the Division of History, Economics, and Public Law*, which may be obtained by applying to the Secretary of the University. Under the auspices of the Academy of Political Science, to which advanced students are eligible as members, opportunities are given for the discussion of questions of interest as presented in papers by specialists.

The department employs in its work the best French and German historical maps and one of the four largest relief globes ever made.

Hospital Economics

Two courses in Hospital Economics are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College* and the special *Hospital Economics Announcement*, which will be sent, without charge, upon application to the Secretary of the University.

See also Botany and Zoölogy.

Latin

HARRY THURSTON PECK, Ph.D., L.H.D., LL.D.....	<i>Anthony Professor</i>
JAMES C. EGBERT, Ph.D.....	<i>Professor</i>
¹ MORTIMER LAMSON EARLE, Ph.D....	<i>Professor of Classical Philology in Barnard College</i>
NELSON G. MCCREA, Ph.D.....	<i>Professor</i>
GONZALEZ LODGE, Ph.D., LL.D.....	<i>Professor of Greek and Latin in Teachers College</i>
CHARLES KNAPP, Ph.D....	<i>Adjunct Professor of Classical Philology in Barnard College</i>
GEORGE N. OLCOTT, Ph.D.....	<i>Adjunct Professor</i>
GERTRUDE MARY HIRST, Ph.D....	<i>Instructor in Classical Philology in Barnard College</i>
HARWOOD HOADLEY, A.B.....	<i>Lecturer in Classical Philology in Barnard College</i>
DINO BIGONGIARI, A.B.....	<i>Assistant</i>
LILLIE M. LAWRENCE, B.S.....	<i>Assistant in Classical Philology in Barnard College</i>

Course **A1-A2** is required of candidates for the degree of A.B., and is prerequisite to **1-2**. Similarly **1-2** (or an equivalent) is prerequisite to **5-6**.

Bracketed courses are not given in 1905-06.

Courses

For the significance of course numbers see page 36

Y—Second elementary course. Cicero, Vergil, and sight-reading; grammar, composition, and prosody. 3 hours. Mr. BIGONGIARI

A1-A2—First half-year: Livy, xxi-xxii; prose composition. Second half-year: *Odes* and *Epodes* of Horace; prose composition. 3 hours. Professors EGBERT, MCCREA, and OLCOTT, and Mr. BIGONGIARI

1-2—Tacitus: *The Agricola* and *Annals* (Book i). Horace: *Satires*. 3 hours. Professor OLCOTT

5-6—Juvenal and Martial. 2 hours. Professor PECK

[**7-8**—Terence: *Andria* and *Adelphoe*. Plautus: *Amphitruo* and *Mostellaria*. 2 hours. Professor MCCREA]

[**9-10**—Terence: *Andria* and *Heautontimorumenos*. 2 hours. Professor PECK]

103-104—Rapid reading of Horace and Ovid. 2 hours. Professor PECK

107-108—Roman history. Tacitus, *Annals* xi-xvi. 3 hours. Professor EGBERT

[**109-110**—Lectures on the sources of Roman history. 2 hours. Professor EGBERT]

[**111-112**—Lucretius (i-iii and v). 2 hours. Professor MCCREA]

¹ Died September 26, 1905.

[113-114—Selections from Apuleius (*The Asinus Aureus*). 2 hours. Professor PECK]

[115-116—Roman oratory: Cicero's *Verrine Orations*. 3 hours. Professor McCREA]

[117-118—Roman oratory. Cicero: *De Oratore*, *Pro Milone*, *Philippica ii.*, *Pro Cluentio*. 3 hours. Professor McCREA]

119-120—Latin prose composition (advanced course). 1 hour, to count as 2 hours. Professor McCREA

121-122—The *Cena Trimalchionis* of Petronius. 2 hours. Professor PECK

[123-124—The history of classical philology. Lectures. 2 hours. Professor PECK]

[125-126—Roman tragedy. The Fragments and Seneca. 3 hours. Professor KNAPP]

151-152—Roman epigraphy (introductory course). 2 hours. Professor EGBERT

[155-156—Private life of the Romans. Lectures and readings. 2 hours. Professor KNAPP]

175-176—The topography and monuments of ancient Rome. 2 hours. Professor OLCOTT

[203-204—Lectures on the history of Greek and Roman prose fiction. 2 hours. Professor PECK]

205-206—Roman lyric poetry. 3 hours. Professor McCREA

[209-210—Roman satire in its historical development. 3 hours. Professor KNAPP]

[215-216—Roman epic poetry. 3 hours. Professor KNAPP]

[217-218—Roman philosophy. Lectures, with a careful reading of Cicero's *De Officiis* and *Tusculanæ*. 3 hours. Professor PECK]

[221-222—Latin literature. Period of the Empire. 2 hours. Professor PECK]

223-224—The Italic dialects—Umbrian, Osco-Sabellian, Faliscan. 1 hour. Professor OLCOTT

[225-226—The topography and monuments of ancient Rome (Imperial period). 2 hours. Professor OLCOTT]

Pre-requisite: Course 175-176.

[227-228—Latin versification. Theory and practice. 1 hour. Professor PECK]

257-258—Roman epigraphy (advanced course). 2 hours. Professor OLCOTT

261-262—Introduction to the study of Roman numismatics. 1 hour. Professor OLCOTT

[269-270—Roman archæology. Lectures. 2 hours, first half-year. Professor EGBERT]

Classical Proseminar

Lectures on the principles and methods of classical study, with Greek and Latin bibliography. 2 hours. Professors PECK and PERRY

Classical Seminar

Latin Section: Livy. One session weekly throughout the year. Professor EGBERT

Attendance is obligatory upon candidates for the degree of Doctor of Philosophy, and is strongly recommended to those for the master's degree whose major subject lies in this department.

Courses in Barnard College

A1-2—First half-year: Livy, xxiii-xxiv; prose composition. Second half-year: Horace, *Odes*; prose composition. 3 hours. Dr. HIRST and Miss LAWRENCE

B 1-2—First half-year: Cicero, *De Senectute* and *De Amicitia*; prose composition. Second half-year: Horace, *Odes*; prose composition. 3 hours. Dr. HIRST and Miss LAWRENCE

1-2—First half-year: Horace, *Satires* and *Epistles*. Second half-year: Tacitus, *Annals* iii-vi. 3 hours. Professor EARLE and Dr. HIRST

3-4—First half-year: Pliny. Second half-year: Catullus and Tibullus. 2 hours. Dr. HIRST and Professor KNAPP

5-6—First half-year: Cicero, *Tusculanæ*. Second half-year: Lucretius (selections). 3 hours. Professor McCREA

7-8—First half-year: Terence, *Andria* and *Phormio*. Second half-year: Plautus, *Captivi* and *Mostellaria*. 3 hours. Professor KNAPP

21-22—Prose composition. Intermediate course. Professor EARLE

23-24—Advanced Latin prose composition. 1 hour, to count as 2 hours. Professor KNAPP

25-26—Latin themes. 1 hour, to count as 2 hours. Professor EARLE

31-32—First half-year: Cicero, *De Officiis*. Second half-year: Vergil, *Æneid*, vii-xii. 3 hours. Professor KNAPP and Dr. HIRST

33-34—First half-year: Seneca's plays. Second half-year: Lucan. 2 hours. Professor KNAPP

Courses in Teachers College

Education 175-176—Theory and practice of teaching Latin in secondary schools. Lectures reports, and practical work. 3 hours. Professor LODGE

Education 275-276—Practicum in Latin—Cæsar and Vergil. 2 hours. Professor LODGE

Latin 41-42—Latin readings. 3 hours. Professor LODGE

Latin 201-202—History of Latin syntax. Lectures and reports. 2 hours. Professor LODGE

LAW

The courses offered in Law are here indicated. For full information as to the course leading to the degree of Bachelor of Laws consult the statement concerning the School of Law.

Municipal or Private Law

GEORGE W. KIRCHWEY, A.B.	<i>Kent Professor</i>
FRANCIS M. BURDICK, LL.D.	<i>Dwight Professor</i>
GEORGE F. CANFIELD, A.M., LL.B.	<i>Professor</i>
HENRY S. REDFIELD, A.M., LL.D.	<i>Nash Professor</i>
CHARLES T. TERRY, A.B., LL.B.	<i>Professor</i>
JAMES B. SCOTT, A.M., J.U.D.	<i>Professor</i>
WILLIAM C. DENNIS, A.M., LL.B.	<i>Adjunct Professor</i>
ALFRED HAYES, Jr., A.M., LL.B.	<i>Tutor</i>
JACKSON E. REYNOLDS, A.B., LL.B.	<i>Lecturer</i>
JOHN M. WOOLSEY, A.B., LL.B.	<i>Lecturer</i>

Courses 101 to 110, inclusive, constitute the work of the first year in the Law School. Courses 201 to 220, inclusive, are open to students who have taken the work of the first year in Law. Courses 221 to 236, inclusive, are open to students who have taken the work of the first and second years in Law.

Courses

101-102—Contracts.	4 hours.	Professor TERRY
103—Criminal law.	3 hours, first half-year.	Professor SCOTT
104—Equity I.	3 hours, second half-year.	Professor DENNIS
105—Elements of law.	3 hours, first half-year.	Professor MUNROE SMITH
106—Pleading I.	3 hours, second half-year.	Professor REDFIELD
107-108—Property I.	2 hours.	Professor KIRCHWEY
109-110—Torts.	2 hours.	Professor BURDICK
204—Admiralty.	2 hours, second half-year.	Professor SCOTT
201—Agency.	3 hours, first half-year.	Mr. REYNOLDS
202—Bailments.	3 hours, second half-year.	Mr. REYNOLDS
206—Bankruptcy.	2 hours, second half-year.	Professor BURDICK
203—Damages.	2 hours, first half-year.	Mr. HAYES
* 205—Domestic relations.	2 hours, first half-year.	Professor SCOTT

* Omitted in 1905-06.

- 207-208—Equity II. 2 hours. Professor DENNIS
 * 211—Insurance. 2 hours, first half year. Professor BURDICK
 209-210—Negotiable paper. 2 hours. Professor CANFIELD
 213-214—Pleading II. 2 hours. Professor REDFIELD
 215-216—Property II. 2 hours. Professor KIRCHWEY
 217—Quasi contracts. 3 hours, first half-year. Professor SCOTT
 219-220—Sales. 2 hours. Professor BURDICK
 221-222—Corporations. 2 hours. Professor CANFIELD
 223-224—Equity III. 2 hours. Mr. WOOLSEY
 225-226—Evidence. 2 hours. Professor DENNIS
 227—Mortgages. 3 hours, first half-year. Professor SCOTT
 228—New York trusts. 2 hours, second half-year. Professor CANFIELD
 229-230—Partnership. 2 hours. Professor BURDICK
 231—Pleading III. 3 hours, first half-year. Professor REDFIELD
 233-234—Property III. 2 hours. Professor KIRCHWEY
 * 235—Receivers. 2 hours, first half-year. Mr. REYNOLDS
 232—Suretyship. 2 hours, second half-year. Professor SCOTT
 236—Wills. 3 hours, second half-year. Professor REDFIELD

Public Law and Jurisprudence

JOHN WILLIAM BURGESS, Ph.D., LL.D.....	<i>Ruggles Professor</i>
MUNROE SMITH, J.U.D., LL.D.....	<i>Professor</i>
FRANK JOHNSON GOODNOW, LL.D.....	<i>Eaton Professor</i>
JOHN BASSETT MOORE, LL.D.....	<i>Hamilton Fish Professor</i>

The courses in this department fall into two divisions: public law and jurisprudence. The purpose of the courses in public law is to give a complete general view of international, constitutional, and administrative law. They serve primarily to supplement the courses in the Departments of History and Economics, and to give with them a complete system of political science. In the second place, they supplement the courses offered by the Faculty of the School of Law, constituting with these a well-rounded legal curriculum. The courses in international, constitutional, and administrative law are also recommended to journalists, students of philosophy and theology, and in general to all who desire to understand the organization and working of governmental systems. The courses on private rights under the Constitution of the United States, on the law of taxation, on the law of municipal corporations, and on conflict of laws are more professional in their character, and are chiefly intended for law students.

The courses in Roman law and comparative jurisprudence, while constituting an integral portion of a complete legal education, will be

* Omitted in 1905-06.

found useful to all those who desire a general comprehension of the principles of private law rather than a professional training in its details. The introductory course upon the Elements of Law (161), that upon the Roman law (21), and that upon European legal history (265-266) are especially recommended to students of history, economics, and philosophy.

For information as to the Theodore Roosevelt Professorship consult the index.

For the significance of course numbers see page 36

Courses in Public Law

A—Constitutional Law

201-202—Comparative constitutional law of the principal modern states—Lectures. 2 hours. Professor BURGESS

203-204—Private rights and immunities under the Constitution of the United States—Discussion of cases. 2 hours. Professor BURGESS

101-102—American constitutional law in its historical development—Lectures. 2 hours. (Identical with History 169-170.) Professor BURGESS

219-220—Advanced seminar in constitutional law—Investigation and discussion. 1 hour. Professor BURGESS

The courses in the constitutional history of Europe and England (*cf.* courses in history) are regarded as a necessary introduction to the above courses in constitutional law.

B—International Law

221—History of diplomacy—Lectures. 2 hours. Professor MOORE

120—History of American diplomacy—Lectures. 2 hours. Professor MOORE

223-224—International law—Lectures. 2 hours. Professor MOORE

237-238—Seminar in international law. 2 hours. Professor MOORE

C—Administrative Law

243—History and principles of colonial administration—Lectures. 2 hours. Professor GOODNOW

141—Administrative law of the United States and the principal European states—Lectures. 2 hours. Professor GOODNOW

242—Law of officers (extraordinary legal remedies). 2 hours. Professor GOODNOW

244—Municipal science and administration—Lectures. 2 hours. Professor GOODNOW

246—Law of taxation—Lectures and discussion of cases. 2 hours. Professor GOODNOW

245—Law of municipal corporations—Lectures and discussion of cases. 2 hours. Professor GOODNOW

257-258—Seminar in administrative law. 1 hour. Professor GOODNOW

Courses in Roman Law and Comparative Jurisprudence

161—Elements of Law—Lectures and assigned reading. 3 hours.
Professor MUNROE SMITH

263-264—Roman law—Lectures, assigned reading and discussion of cases. 2 hours. Professor MUNROE SMITH

[265-266—History of European law (early German law; Frankish law; feudalism; the canon law; the law merchant; the reception of the Roman civil law; the modern civil codes)—Lectures. 2 hours.
Professor MUNROE SMITH

Not given in 1905-06]

267-268—Modern civil law of western Europe: Introduction to the private law of France, Italy, Spain, and Germany.—Lectures. 2 hours.
Professor MUNROE SMITH

269-270—Conflict of laws—Lectures and discussion of cases. 1 hour. Professor MOORE

277-278—Seminar in legal history and comparative legislation. 1 hour. Professor MUNROE SMITH

279-280—Advanced seminar in comparative jurisprudence. 1 hour. Professor MUNROE SMITH

Manual Training

Fifteen courses in Manual Training are offered under the auspices of Teachers College. For details see the *Announcement of Teachers College* and the special circular of the department, which will be sent, without charge, upon application to the Secretary of the University.

Materia Medica

(See page 133)

Mathematics

J. HOWARD VAN AMRINGE, Ph.D., L.H.D., LL.D., *Professor and Head of Department*

THOMAS SCOTT FISKE, Ph.D.....*Professor*

FRANK NELSON COLE, Ph.D.....*Professor*

DAVID EUGENE SMITH, Ph.D.....*Professor*

JAMES MACLAY, Ph.D.....*Professor*

CHARLES EARLE BIKLÉ, A.M.....*Adjunct Professor*

CASSIUS JACKSON KEYSER, Ph.D.....*Adrain Professor*

HENRY BEDINGER MITCHELL, E.E., A.M.....*Adjunct Professor*

EDWARD KASNER, Ph.D.....*Instructor*

GEORGE HERBERT LING, Ph.D.....*Instructor*

ARTHUR RAY MAXSON, A.M.....*Tutor*

WILLIAM HENRY BUSSEY, Ph.D.....*Tutor*

CAMILLE AUGUSTE TOUSSAINT, A.M.....*Assistant*

Courses 151 and 101-116 are open to women.

Bracketed courses are not given in 1905-06, but are given in 1906-07.

Courses

A—Geometry, algebra, and trigonometry. 3 hours. Professors MACLAY, KEYSER, and MITCHELL, Dr. LING, and Mr. MAXSON

1—Algebra—The general theory of equations. 2 hours, first half-year. Professors MACLAY, KEYSER, and MITCHELL, Dr. LING, and Mr. MAXSON

2—Trigonometry—Spherical trigonometry with applications. 2 hours, second half-year. Professors KEYSER, MACLAY, and MITCHELL, Dr. LING, and Mr. MAXSON

3-4—Analytical geometry. 3 hours. Professors MACLAY, KEYSER, and MITCHELL, Dr. LING, and Mr. MAXSON

5-6—Differential and integral calculus. 3 hours. Professors VAN AMRINGE and FISKE

7—Projective geometry. 3 hours, first half-year. Dr. LING

8—Higher algebra. 3 hours, second half-year. Dr. LING

9—Solid analytical geometry. 3 hours, first half-year. Professor MITCHELL

10—Elementary differential equations. 3 hours, second half-year. Professor MITCHELL

101-102—Modern theories in geometry. 3 hours. Professor KEYSER

103-104—Application of the calculus to the theory of surfaces and curves in space. 3 hours. Professor MACLAY

105—Theory of numbers. 3 hours. Dr. LING

106—Theory of probability. 3 hours. Dr. LING

107-108—Vector analysis: Introduction to the calculus of quaternions. 3 hours. Professor MITCHELL

151—History of mathematics.¹ 2 hours. Professor SMITH

201-202—Advanced calculus—Introduction to the theory of functions of a real variable. 3 hours. Professor FISKE

203-204—Theory of functions of a complex variable. 3 hours. Professor FISKE

[205-206]—Introduction to the theory of functions. 3 hours. Professor COLE

207-208—Theory of groups. 3 hours. Professor COLE

[209-210]—Functions defined by linear differential equations. 3 hours. Professor FISKE

[211-212]—The general theory of assemblages. 3 hours. Professor KEYSER

¹ Other courses in the history and teaching of mathematics are also offered in Teachers College.

- [213-214—Theory of invariants. 3 hours. Professor COLE]
 215—Infinite series and products. 3 hours. Dr. LING
 [216—Advanced theory of numbers. 3 hours. Dr. LING]
 [217-218—The application of the calculus to the theory of surfaces.
 3 hours. Professor MACLAY]
 219-220—Differential equations and continuous groups. 2 hours.
 Dr. KASNER
 221-222—Theory of plane. 3 hours. Professor COLE

Courses Given Separately at Barnard College

Course A¹-A² is given by Dr. KASNER and Dr. BUSSEY. Courses in Analytical Geometry (No. 21, 3 hours, first half-year), in Elementary Calculus (No. 22, 3 hours, second half-year), in the Fundamental Concepts of Modern Mathematics (Nos. 33-34, 3 hours), by Dr. KASNER

Courses in the Theory of Equations (Nos. 23-24, 3 hours), and in Projective Geometry (No. 27-28, 3 hours), Advanced Analytical Geometry (Nos. 31-32, 3 hours), by Dr. FINDLAY; and in Calculus (Nos. 5-6, 3 hours), by Professor COLE

Equipment

In the equipment of the Department of Mathematics is a large number of models, charts, and instruments. An elaborate set of models illustrates the metric system of weights and measures. A set of about fifty models of elementary solid and spherical geometry is intended to exemplify the demonstrations contained in Davies' *Legendre*. These are made of cherry wood with markings in inlaid ebony, and are of unusually large size. There are several similar models representing the different plane sections of the cone. A series of wooden models, constructed by Schroeder of Darmstadt, illustrates elementary solid geometry, and contains, in addition, examples of all the different forms of the surfaces of the second order. There is a series of models of descriptive geometry, also constructed by Schroeder. The horizontal and vertical projections are traced upon boards solidly joined together at right angles and of convenient size to allow in general the representation of three different models, or of three different views of the same model. The form and construction suggest a division of these models into two classes: (1) the representation in metal of lines and surfaces, adjusted upon axes, the projection of several of their positions being given; (2) the representation of solid bodies in hardwood, including the exhibition of their plane sections in various directions and the intersections of different surfaces and solids.

A collection of models, which was presented to the department by Dr. Seth Low, having been purchased by him from the German University Exhibit at the Chicago Exposition in 1893, illustrates analysis

situs, theory of functions of a complex variable, surfaces of higher order, their singularities and curvature, and line-geometry.

A series of charts illustrates the theory of plane algebraic curves, especially those of the fourth order, the resolution of higher plane singularities into equivalent elementary singularities, the expression of functions by means of infinite series and infinite products, and conformal representation by means of algebraic and elliptic functions.

Mechanical Engineering

FREDERICK R. HUTTON, E.M., Ph.D., Sc.D.....	<i>Professor</i>
CHARLES RUSSELL RICHARDS, B.S....	<i>Professor of Manual Training in Teachers College</i>
IRA H. WOOLSON, E.M.....	<i>Adjunct Professor</i>
AMASA TROWBRIDGE, Ph.B.....	<i>Adjunct Professor</i>
CHARLES P. BENNS, E.M.....	<i>Instructor in Teachers College</i>
CHARLES C. SLEFFEL.....	<i>Instructor in Teachers College</i>
CHARLES W. WEICK, B.S.....	<i>Instructor in Teachers College</i>
CHARLES E. LUCKE, M.S., Ph.D.....	<i>Instructor</i>
CLIFFORD T. SWART, Mech.E.....	<i>Tutor</i>
HARRY L. PARR, Mech.E.....	<i>Assistant</i>
R. M. STRONG, Mech.E.....	<i>Assistant</i>
J. S. MACGREGOR, B.S., M.S.....	<i>Assistant</i>

Non-matriculated students are admitted to the courses for which previous training may have fitted them. All courses intended for students in the Schools of Applied Science may be pursued by graduates, the instruction for such persons being carried farther in specialization than the time available permits to candidates for the first degree. The instruction for such advanced students will be by prescribed reading, by problems assigned, and by work in the mechanical laboratories under individual instruction.

For fuller information regarding the topics covered in these courses see the Announcement of the Courses in Mechanical Engineering.

Courses

NOTE.—The following courses divide themselves into nine groups:

- I. The materials of engineering, Nos. 1-8 and 61-64.
- II. The heat engine and the power plant, Nos. 11-26 and 69-71.
- III. The experimental engineering laboratory, Nos. 31-33 and 76, 77.
- IV. Kinematics, stress-design, and special machinery, Nos. 37-46.
- V. Factory organization, economics, and industrial applications, Nos. 52-54.
- VI. Alternative options in engineering of transportation, Nos. 81-90.

VII. Vacation work and courses pursued away from the University, Nos. 91-94.

VIII. Memoirs and thesis, Nos. 95-99.

IX. Graduate work, Nos. 200 upwards.

Besides conforming to the general regulations stated on page 36 the numbers here given to courses have the following special significance:

1. Nos. 1 to 59 exclusively for mechanical engineers.
2. Nos. 60 to 79, taken for other engineering degrees.
3. Nos. 80 to 90, options open as electives to senior mechanical engineers and to special students only.
4. Nos. 95-99, memoirs and graduation thesis.

A suffix *s* denotes that the course is given in the summer term; suffixes *c* and *l* to the same number denote respectively the class-room exercises and the laboratory work forming parts of that course.

1-2—First-year shop-work—Carpentry, framing, and joinery. 2 afternoons shop practice in shops of Teachers College. Mr. WEICK

2s—First-summer shop-work—Pattern-making and foundry-work. 100 hours in 3 weeks in June. Mr. WEICK

3—Second-year shop-work—Forging. 1 hour conference, and four laboratory periods first half-year, and two periods for second half-year. Mr. SLEFFEL

4—Second-year shop-work—Bench-work. Machine-tool work. 1 hour conference for instruction, and two laboratory periods second half-year. Mr. BENNS

4s—Second-summer shop-work—Machine-tool work continued. 100 hours in 3 weeks in June. Mr. BENNS

5l—Third-year shop-work—Machine-tool work, with special appliances for rapid and economical production. 2 afternoons. Mr. BENNS

6—Properties of materials—First half: Timber; causes of decay and processes of preservation; fireproofing, etc. 2 hours. Professor WOOLSON

7-8c—Properties of materials—Properties of constructive materials by lecture and tests. 2 hours, first half-year. Professor WOOLSON

7-8l—Testing materials of engineering—Tensile, transverse, compressive, and other resistances of structural materials. Afternoon hours. Professor WOOLSON

11-12—Engineering of power plants—Steam-engines and their mechanisms. 1 hour. Professor HUTTON

13—The steam-engine and its accessories—The power plant continued. 2 hours. Professor HUTTON

14—The steam-boiler and its accessories—The power plant concluded. 2 hours. Professor HUTTON

15—Valve-gearing for engines. 1 hour, and afternoon work in draughting-room. Professor TROWBRIDGE

17-18—Heat and heat engines. 1 hour, lectures and recitations, third year. For Mechanical Engineers only. Dr. LUCKE

19-20—Steam-engine design—The theory of crank-effort, fly-wheels, governors, balancing, and stresses in built-up framing; design of engine-details. 2 hours, with afternoon work in drawing-room. Professor TROWBRIDGE

21-22c—Principles and design of the gas engine. 3 hours, first half-year; 2 hours and 1 afternoon, second half-year. Dr. LUCKE

21-22l—Advanced laboratory course in the gas engine. Dr. LUCKE

24—Motors other than steam. 2 hours. Professor HUTTON

25-26—Power plant layout and specification. 2 hours and 1 afternoon, first half-year, and 1 hour and 1 afternoon, second half-year. Dr. LUCKE

31-32c—Experimental mechanical engineering—Laboratory methods for determination of data. Calibration of instruments. Solution of problems. 1 hour. Dr. LUCKE

31-32l—Calibration and simple measurements. 1 afternoon. Mr. SWART and assistants

33c—Experimental mechanical engineering—Continuation of Course 31. Solution of problems on hypothetical data relating to tests of Course 32. 1 hour lecture, fourth year. Dr. LUCKE

33l—Experimental mechanical engineering laboratory—Continuation of Course 31-32. 1 afternoon. Dr. LUCKE and assistants.

35-36—Machinery and mechanism—Conversion of motion, teeth of wheels, general mechanism. 2 hours. Professor WOOLSON

37—Mechanics of materials—Resistance and elasticity of materials; simple stresses and deformations; combined stresses. 4 hours. Professor TROWBRIDGE

39-40—Engineering design and drawing—Graphic statics of forces, moments, framed structures and mechanism. 1 hour, first half-year; 2 hours, second half-year; afternoon periods in draughting-room. Mr. HARRINGTON

41-42—Machine design—Design of machine-tools, automatic machinery, cranes, and hydraulic machinery. 1 afternoon, first half-year; 4 afternoons, second half-year. Professor TROWBRIDGE

46—Pumps, pumping machinery, and hydraulics—Flow of water; water motors and turbines; action and design of pumps. 3 hours. Professor TROWBRIDGE

52—Shop methods for economical production. 1 hour. Mr. BENNS

53-54—Work-shop economics and specifications. 1 hour for a year and a half. Professor HUTTON

61-62—First-year shop-work—Short course in wood-working for Electrical and Civil Engineers. 1 afternoon part of the year. Mr. WEICK

63-64—Second-year shop-work—Short course in forging and machine-shop for Civil and Electrical Engineers. 1 hour lecture, first half-year, 1 afternoon part of the year. Mr. SLEFFEL and Mr. BENNS

71—Heat and its applications. 3 hours. Professor HUTTON

76—Experimental mechanical engineering—Short course for Electrical, Civil, and Mining Engineers, made of selections from Mechanical Engineering 31-32. Lecture and laboratory. Third year. Dr. LUCKE

77—Continuation of 76. Fourth year. Dr. LUCKE

81-82—Marine-engine design—Theory and practice. Engine details. Marine-boiler design. Marine auxiliaries, appliances, and materials. Marine seminar—Discussion of professional problems and technical literature. 2 hours for Alternative M; 1 hour for Alternative MA. Professor TROWBRIDGE

83-84—Naval architecture—Areas and volumes; trim; statical stability; curves of stability; weights and centre of gravity. Calculations for a given ship. 2 hours. Professor TROWBRIDGE

85-86—Ship-building—Materials; types of vessels; lines and models. General arrangement, design. Initial cost and economy of operation, with regard to speed and carrying capacity. Mould-loft practice. 1 afternoon for Alternative M; 2 afternoons for Alternative MA. Professor TROWBRIDGE

87—Propulsion of ships. 2 hours. Professor TROWBRIDGE

89-90—Locomotive engineering and design—Locomotive accessories; locomotive specifications, manufacture, and accidents; locomotive testing and management; locomotive history and evolution; traction engines and trucks and motor vehicles. 3 hours. Professor HUTTON

91s—Vacation class in mechanical engineering—During the latter half of the school year visits are made to shops, factories, iron and steel works, and pumping stations, for the study of practice in these lines. The instruction is conducted by Professors HUTTON and TROWBRIDGE, and Dr. LUCKE

92s—Summer work between first and second years—Memoir or drawings

94s—Summer work between second and third years—Memoir or drawings

96s—Summer work between third and fourth years—Memoir, test, report, or special laboratory work. Professors HUTTON, TROWBRIDGE, and Dr. LUCKE

99—Graduation thesis. Professor HUTTON and other professors.

201-202—Special problems and original investigations in advanced mechanical engineering, with conferences, laboratory work, and design as required. For graduates only. Dr. LUCKE

203-204—Mechanics of the steam turbine. Dr. LUCKE

205-206—Balance, shaking and vibration in machines. Dr. LUCKE

207-208—Marine-engineering development—Analytical and experimental investigation of problems in propulsion. Professor TROWBRIDGE

209-210—Ship design—Investigation of building rules and such navigation laws as apply to ship-building. Professor TROWBRIDGE

Equipment

The Department of Mechanical Engineering both has its own special equipment and also enjoys the admirable and complete equipment of other departments for the use of its students.

THE WORKSHOPS are located in the Macy Manual Arts building of Teachers College, 120th Street. The wood-working course is planned to lead up to pattern-making and foundry-work. The foundry division has facilities for bench and floor moulding, and for limited work with sweeps. The second division includes the shops for metal-working.

THE MECHANICAL LABORATORIES, properly so called, are located partly in the great basement annex area north of Engineering and beneath the esplanade in front of Havemeyer, and partly in Engineering. Their area exceeds 9000 square feet, giving a length in one span of over 210 feet and a width of 32 and 35 feet. These laboratories are equipped for testing in all the branches specifically belonging to mechanical engineering, as well as for research in this department.

For description in detail of the equipment of these laboratories, reference may be made to the *Announcement of the Courses in Mechanical Engineering*, which may be had upon application to the Secretary of the University.

THE DRAUGHTING-ROOMS on the top floor of Engineering are splendidly lighted and of very large extent, and are fitted not only with the best forms of drawing tables and furniture, but also with extensive collections of patterns, models, and illustrative drawings, blue prints, photographs, and prints, which are useful both as copies and for training in design.

LECTURE- AND CLASS-ROOM ILLUSTRATION is effected by extensive use of material from the collections of models, specimens, and samples in the museum, and of photographs exhibited as lantern-slides by pro-

jection in an illuminated room, by drawings and blue prints, and by electrotype prints and wall diagrams.

Summer and Vacation Work

To derive the advantages possible from continuous work in the shop, two summer classes are maintained, each covering about one hundred working hours, beginning June 1. If necessary another similar term will be arranged for September. These form parts of the regular shop-work course of Mechanical Engineering, but are also intended to permit students from other schools, where these facilities are lacking, to comply with the requirements of the regular course by extra application and overtime work.

During the session, and on occasional holidays, students are given opportunities to visit engineering works, machine shops, factories, and industrial establishments in the city and its environs. More elaborate excursions are arranged for the advanced students to special places or districts, under the supervision of the professors or instructors. The summer between third and fourth years is intended to be preparatory to fourth-year purely professional work, and generally consists of a technical report of some plant, machine, or process examined by the student.

Mechanics

(See Physics)

Metallurgy

HENRY M. HOWE, A.M., B.S., LL.D.....	<i>Professor</i>
BRADLEY STOUGHTON, Ph.B., B.S.....	<i>Adjunct Professor</i>
WILLIAM CAMPBELL, Ph.D., D.Sc.....	<i>Instructor</i>
EDWARD F. KERN, Ph.D.....	<i>Tutor</i>
JOHN F. THOMPSON, B.S.....	<i>Assistant</i>
GEORGE B. WATERHOUSE, B.S.....	<i>Assistant</i>

Non-resident lecturers for 1904-05: James Douglas, LL.D., President of the Copper Queen Consolidated Mining Company; Richard Moldenke, Ph.D., Secretary American Foundrymen's Association; Edward D. Peters, M.D., Professor of Metallurgy, Harvard University; J. E. Johnson, Jr., Manager Blast Furnaces.

The courses of this department are rarely open to special students unless they are graduates of any college or scientific school. Great stress is laid on the metallurgical laboratory courses.

Special courses, consisting of personal instruction and original experimental investigation, will be arranged for advanced students according to their individual needs and ability. Some of these investigations will be made at metallurgical works into processes in actual use there, others in the metallurgical and analytical laboratories of

the department. These courses include advanced courses in pyrometry, the microstructure of metals and alloys, the chemistry of roasting processes, etc.

Two courses of three weeks each are given at metallurgical works in studying the operations there carried out. The students are given individual and class instruction and are required to make complete descriptions of the various processes, including sketches of furnaces and apparatus.

For a fuller description of courses than given below, see the Announcement of the School of Mines.

Courses 1, 2a, and 2b are required of third-year students in Metallurgy, Mining Engineering, and Chemistry.

Courses 3a, 3b, 71-72 are required of fourth-year students in Mining Engineering; 3b, 53, and 55, of students in Metallurgy, in the fourth year; 171-172, 51, 52b, in third year; 4, 52a, and 54, in the second.

Courses 4 and 3b are required of fourth-year students in Chemistry, and Course 4 of second-year students in Civil, Mechanical, and Electrical Engineering.

Courses

For the significance of course numbers see page 36

1—Metallurgy of copper. 2 hours. Dr. KERN

2a—General metallurgy. 2 hours lectures for six weeks, third year. Professor STOUGHTON

2b—Metallurgy of lead. 2 hours lectures for nine weeks, third year. Dr. CAMPBELL

3a—Metallurgy of steel and iron—Shorter course. 3 hours lectures for five weeks. Professor STOUGHTON

3b—Metallurgy of silver, gold, zinc, and minor metals. 2 hours lectures for ten weeks, fourth year. Dr. CAMPBELL

4—Metallurgy of iron and steel—Longer course. 2 hours lectures. Professor STOUGHTON

71-72—Laboratory work—Shorter course. 10 afternoons, fourth year. All officers

171-172—Laboratory work—Longer course. 4 afternoons. All officers

62—Summer course in non-ferrous metallurgy. Required of students in Metallurgy and Mining Engineering between the third and fourth years. Dr. CAMPBELL or Dr. KERN and assistants

64—Summer course in iron and steel. Required of students in Metallurgy between the second and third years, and of students in Mechanical Engineering between the third and fourth years. Professor STOUGHTON and assistants

51—Extension of Metallurgy 1. 1 hour conference. Dr. KERN

52a—Extension of Metallurgy 2a. 1 hour conference for six weeks. Professor STOUGHTON

52b—Extension of Metallurgy **2b**. 1 hour conference for nine weeks. Dr. CAMPBELL

53—Extension of Metallurgy **3b**. 1 hour conference for ten weeks. Dr. CAMPBELL

54—Extension of Metallurgy **4**. 2 hours conference. Professor STOUGHTON

55—Metallurgy of alloys. 3 hours conference for five weeks. Dr. CAMPBELL

METALLURGICAL EXCURSIONS—During the term the students are taken to the metallurgical establishments in the vicinity of the city, embracing iron blast furnaces, and Bessemer, open-hearth, and puddling works, the smelting of lead and copper ores, the Bessemerizing of copper matte, the refining of copper by furnace and electrolytic methods, the desilverizing of base bullion by zinc, and the parting and refining of gold and silver by both electrolytic and acid methods.

Equipment

LECTURE DIAGRAMS—There is an important collection of large lecture diagrams, illustrating the various metallurgical furnaces and appliances, and showing graphically the sequence of operations in metallurgical processes.

In addition the lectures are illustrated, not only by models, but by actual demonstrations, as, for instance, in the heat-treatment of metals, in the wet metallurgical processes, and in the rolling of metals.

MODELS AND DRAWINGS—There is an excellent collection of models of metallurgical apparatus, furnaces, Bessemer converters, roll-trains etc., and a great number of detailed drawings.

METALLURGICAL COLLECTION—There is a collection of about 3000 specimens of ores, metals, etc., and the intermediate and final products of the more important metallurgical processes. Suites of specimens of great educational value are added frequently.

MICROSCOPIC SPECIMENS—The department is rapidly forming a valuable collection of microscopic sections of metals and alloys, and photomicrographs of them.

ANALYTICAL LABORATORY—The department has an analytical laboratory open to the students in Metallurgy.

METALLURGICAL LABORATORY — I. *Instruments of Precision of Metallurgy*—Of these the most important are pyrometers, calorimeters, and microscopes for examining metals and alloys. There are enough Le Chatelier thermo-electric pyrometers to give each student the exclusive use of one throughout his course. In addition there are Le Chatelier pyrometers of great precision, autographic attachments, etc.

For the microscopic study of metals many specially adapted microscopes are provided, together with appliances for grinding, polishing and photomicroscopy. There are also sclerometers, a drop-testing machine, special testing machines for metals, ammeters, etc.

2. *For Analytical Metallurgy*, or the study of the principles and reactions of metallurgy taken singly as distinguished from the several industrial processes each taken as a unit, besides the instruments just enumerated there are many special furnaces heated by electric resistance or gas, gas forges, a small power-driven roll-train, etc.

3. *For Applied Metallurgy*, the laboratory has, besides the common furnaces, crucible melting furnaces, muffles, etc., and ores, refractory materials, and fluxes, a cupola furnace, an English cupelling furnace, two small reverberatory roasting furnaces, a set of lixiviating and precipitating vats, a battery of amalgamating pans, kettles for desilverizing lead, a chlorinating barrel, storage batteries, voltmeters and ammeters for electrolysis, etc.

There is a large assortment of alloys, and of different kinds of steel and iron, which give opportunity for an extended range of investigation into their properties.

4. *Advanced Students*—The laboratory offers to advanced students and properly equipped practitioners unusual advantages for investigating with great accuracy the scientific and many of the economic problems of metallurgy.

METALLURGICAL LIBRARY—The Metallurgical Department has its own metallurgical library and reading-room, containing about fourteen hundred volumes of metallurgical treatises, text-books, periodicals, etc.

Mineralogy

ALFRED J. MOSES, E.M., Ph.D.....	<i>Professor</i>
LEA McI. LUQUER, C.E., Ph.D.....	<i>Adjunct Professor</i>
MAURICE A. LAMME, B.S., A.M.....	<i>Tutor</i>
THOMAS T. READ, E.M.....	<i>Assistant</i>

Courses 1-2, 3-4, 5, 6, 8, and 15-16 are open to properly qualified students in Columbia College. Course 1-2 is required of first-year students in Mining Engineering, Metallurgy, and Chemistry; Course 5, of second-year students in Civil Engineering; Course 6, of third-year students in Mining Engineering and Metallurgy; Course 8, of third-year students in Analytical and Organic Chemistry and Course 15-16 of first-year students in Chemical Engineering.

Course 207-208 is especially a minor course for Geologists, Course 209-210 a minor course for Chemists, and Course 211-212 a major course for Mineralogists. For details see the *Announcement of the Division of Geology, Geography, and Mineralogy*, which will be furnished on application to the Secretary of the University.

Courses 207-208, 209-210, and 211-212 are open to women.

The following courses or their equivalents are pre-requisite: Physics A for Courses 1-2, 3-4,) Chemistry A for 1-2 and 3-4,) Course 3-4 for 207-208, 209-210, 211-212), Course 5 for 6.

Courses

For the significance of course numbers see page 36

1-2—Descriptive and determinative mineralogy—First half-year: Crystallography; blowpipe tests; the silicates and borates. Second half-year: The economic minerals; blowpipe analysis; optical mineralogy. 3 hours lectures and conferences, 2 afternoons laboratory. Professors MOSES and LUQUER, Mr. LAMME, and Mr. READ

3-4—General mineralogy—Important minerals in systematic order with introductory crystallography. 2 hours lectures, 1 afternoon laboratory. Professor MOSES

5—The minerals of building-stones and their economic effect, also the common ores. 2 hours lectures and one afternoon laboratory. Professor LUQUER and assistant

6—Optical mineralogy—The study of minerals in rock sections. 2 afternoons laboratory for two months. Professor LUQUER and assistant

8—Physical crystallography—Short laboratory course. 1 hour lecture, 1 hour laboratory. Professor MOSES

15-16—Mineralogy—Sight recognition and determination of minerals important in the chemical industries. 1 afternoon laboratory. Professor MOSES and assistant

207-208—Optical mineralogy—Determination of optical constants and minerals in thin sections, including preparation of sections. 1 hour lecture, 1 afternoon laboratory. Professor LUQUER

209-210—Physical crystallography—The characters of crystals; determination of constants; theories of structure. 1 hour lecture and 1 afternoon laboratory. Professor MOSES

211-212—Mineralogy—Study of assigned subject. 12 hours for two years. Professor MOSES

Equipment

The work of the students in the college courses and in general mineralogy is performed in the lecture-room, in the blowpipe laboratory, a large room with conference tables and seats for about 75 men, and in the adjoining conference-room, in which are the student collections of crystal models and minerals and several thousand unlabelled specimens used in determinative work. The department possesses also about 1200 sections of minerals and rocks, and 1500 crystal models in wood and glass. Students in optical mineralogy use a separate room with north light, and for crystal measurements and monochromatic-light determinations there is provided a large dark-room.

Attached to the department is the Egleston Mineralogical Museum, containing about 30,000 labelled specimens, and including a systematic collection, an economic collection of ores, building materials, and minerals used in chemical industries, a collection illustrating the genesis

and alteration of minerals, a collection illustrating the characters of minerals, and small collections of artificial minerals and New York City minerals.

Among the collections of minerals that have been presented to the museum from time to time, the largest is that of Dr. Egleston, consisting of about 5000 specimens. Others that may be mentioned are: the Gillmore collection, made in Paris under the direction of the Abbé Haüy, and presented by the late Gouverneur Kemble of West Point; a collection of Schulsberg (Wis.) stalactites, exhibited at the Sanitary Fair; a fine suite of Russian minerals, presented by the Czar; a collection of American minerals, presented by the late Geo. T. Strong; two of the finest cerussites in the world; the Julien collection of minerals from Chesterfield, Mass.; the collection of Professor How, of King's College, Nova Scotia; and a very valuable collection made by Dr. Egleston in Japan.

In addition, a large number of gifts have been received, and these have been supplemented by careful purchasing and exchanging.

Mining

HENRY S. MUNROE, E.M., Ph.D., Sc.D.....	Professor
ROBERT PEELE, E.M.....	Professor
EDWARD L. KURTZ, E.M.....	Instructor
WALTER R. CRANE, Ph.D.....	Instructor

For a more detailed statement of the scope of the work in Mining the reader is referred to the special Announcement of the School of Mines for 1905-06.

Courses 51, 52, 54, 59, and 70 are required in the third year, and 55, 56, 71, 72, 75, 77, 78, 81, 82, 82a, 91, and 92 in the fourth year, of candidates for the degree of Engineer of Mines.

Courses 54 and 70 are required in the third year, and 81, 82, 82a, 91, 92 in the fourth year, of candidates for the degree of Metallurgical Engineer.

All the above courses are open to candidates for A.M. in certain combinations as detailed in Courses 101 to 110. Upon application the head of the Department will furnish information as to how they may be accepted as fulfilling the residence requirements for the degree.

Courses 201 to 214 are intended as suggestions for lines of advanced study and investigation open to graduates of mining schools who are candidates for higher degrees.

With the exception of courses 70 and 81, the mining courses are progressive, and must be taken in the order required of regular students. Pre-requisites for Course 51 are the entrance requirements in Mathematics, Chemistry, and Physics. In addition, the pre-requisite or parallel courses for Course 54 are: Mineralogy 1-2, and Geology 103-104 and 105-106; for Course 56, Civil Engineering 71 and 75; for

Course 71, Mechanics 101-102 and 1-2, and Mechanical Engineering 12; for Course 75, Civil Engineering 53-54, Engineering Draughting 1-2 and 7-8; for Courses 55 and 59, Civil Engineering 15. For Courses 81, 82, 82a the pre-requisite and parallel courses are Physics 3-4, Mineralogy 1-2, and Mechanics 1-2.

Courses

For the significance of course numbers see page 36

51—Excavation and tunnelling. Excavation of earth and rock. Explosives. Drilling and blasting. Driving and support of railroad and mine tunnels. 3 hours. Professor PEELE

52—Boring and shaft-sinking. 3 hours for 3 months. Professor PEELE

54—Prospecting, exploration, development, and methods of working. 3 hours. Professor MUNROE

55—Mine surveying. Examination, sampling, and valuation of mines. 1 hour. Professor MUNROE

56—Mine engineering. Surface handling and transportation; transshipment and storage of minerals. Drainage. Water supply. Ventilation. Accidents. 2 hours. Professor MUNROE

70—Mine constructions. Building materials, retaining walls, trestles, ore-bins, etc. 1 hour. Professor PEELE

71-72—Mine plant. Hoisting, drainage, ventilating, and compressed-air plant, machine drills, coal cutters, and underground handling and haulage. 3 hours. Professor PEELE

75—Design of mine plant. Working drawings of specified portions of mine plant, made under supervision and advice in connection with graduating project. 5 afternoons. Professor PEELE, Mr. KURTZ, and Dr. CRANE

77-78—Graduating thesis or project, on assigned subjects. Professor PEELE

80—Mill constructions; auxiliary machinery for power transmission. 1 hour. Mr. KURTZ

81-82—Ore dressing, gold milling, and the mechanical preparation of coal. 3 hours for 5 months. Professor MUNROE

82a—Ore-dressing laboratory. Working tests. Adjustment, operation, and sampling of concentrating machines. Afternoon work for three weeks. Professor MUNROE, Mr. KURTZ, and Dr. CRANE

91-92—Administration, organization, and business management, mine accounts, and cost sheets. 1 hour. Professor MUNROE and Mr. KURTZ

93—Mining law. 1 hour.

Summer Course

59—The summer course of practical mining is held in June and July, in the vacation between the third and fourth years, and lasts six weeks. Professor PEELE, Mr. KURTZ, and Dr. CRANE

The course of instruction includes four weeks' detailed study of the plant and methods of working at some important mine or mines selected for the purpose; one week mine surveying; and one week excursion to other mines and mining regions.

Graduate Courses

Special courses, consisting of personal instruction, reading, and experimental investigation, will be arranged for advanced students according to their individual needs and ability. These investigations will be made at mines and dressing works, either in connection with the summer school or elsewhere as assigned, with additional work, as required, in the library and in the laboratories of the department. These courses vary in difficulty and in the amount of time necessary, according as the student is a candidate for the degree of A.M. or Ph.D., and according as he pursues mining as a major or a minor subject. The time required is governed by the rule that a course or courses should occupy about 18 hours a week (outside reading and study included) if taken as a major subject, and about 9 hours a week if taken as a minor subject. The following are suggested:

101-102—Mining and ore dressing—Mining **54**, **81-82**, and **82a**. 4 hours, with laboratory work and reading as required.

103-104—Mining engineering—Mining **56**, **71-72**, and **91-92**. 4 hours lectures and reading as required.

105-106—Design of mine plant—Mining **70**, **71**, **72**, **75**, **77**, and **78**. 3 hours and 5 afternoons draughting-room work.

107-108—Design of ore-dressing works—Mining **80**, **81**, **82**, and **82a**, with 1 hour conference additional. 3 hours and 5 afternoons laboratory and draughting-room work.

109-110—Mining—**51**, **52**, **54**, **55**, **56**, **59**, **70**, **71-72**, **75**, **77-78**, **80**, **81-82**, **82a**, **91-92**, **93**, being all the undergraduate courses in the Department of Mining.

201-202—Methods of mining—Critical study of methods used in some mining region, or for a certain class of deposits.

203-204—Mining plant—Critical study of rock drilling, or coal cutting, or hoisting, or haulage, or ventilating plant at some mine or mines.

205-206—Deep mining—Study of problems involved.

207-208—Ore dressing—Critical study of some detail of the ordinary dressing methods.

209-210—Examination of a coal-washing plant, or an ore-dressing

plant—4 to 6 weeks' work in the mill and in the laboratory, with conferences.

211—Examination of a mineral property, or a mine—4 to 6 weeks devoted to field and underground work in the summer school of practical mining, with conferences at convenience of professor.

213-214—Economic studies in mining—Study of existing conditions affecting the production and cost of some mineral or metal.

Equipment

LECTURE ILLUSTRATIONS—The lectures on mining are illustrated by 5 sets of books aggregating over 300 volumes, and containing 85,000 blue prints from negatives made for the purpose. There are a sufficient number of these books, illustrating the different courses of lectures, so that each student has the use of one or more for reference during the lectures and for home study. These blue prints have many advantages over the usual form of lecture illustrations by lantern slides or wall diagrams. The latter are, however, used when necessary to supplement the blue prints.

MINING LIBRARY—The University Library contains sets of the transactions of all mining, metallurgical, and engineering societies, and of the more important periodical publications on these subjects. There is also a large collection of books on mining, and all new publications of value are added as they appear. In addition, a small departmental reference library has been created, which is accessible to students at all times.

MINING MUSEUM—The subject of mining is illustrated by collections as follows: Maps of coal and metal mines of this and other countries. Working drawings, diagrams, and photographs of mine plant, and of mining and dressing machinery. Models of mines and parts of mines and of mine plant. Mining tools: picks, shovels, hammers, drills, blasting apparatus, lamps, safety-lamps, anemometers, and machine drills. Ores and dressing products from typical works in this and other countries. Surveying instruments: geological compasses and clinometers, attraction compasses, dipping needles, hanging compasses and arcs, transits, lamp signals, rods, and apparatus for plumbing and measuring shafts.

MINING LABORATORIES—The basement and sub-basement of the School of Mines are equipped as laboratories for the department of mining. These laboratories serve four purposes: 1. To illustrate the physical laws bearing on mineral separation. 2. To afford opportunity for quantitative working tests. 3. To train students in the adjustment and operation of concentrating machinery, and in the making of efficiency tests under working conditions. 4. To give advanced students and others all necessary facilities for original investigation.

MINES AND DRESSING WORKS—Many coal, iron, and other mines, slate and stone quarries, and metallurgical works are easily accessible,

Within a radius of one hundred miles of New York City may be studied numerous examples of the best practice in mining and metallurgy under most varied conditions, and some of the most modern and effective mining and dressing machinery and smelting plants in the country. The excursions of the summer class in mining extend as far as the iron, copper, zinc, lead, silver, and gold regions of Michigan, Missouri, Montana, Colorado, Arizona, and Utah.

The metropolitan situation of the school renders it possible to present, also, as parts of the regular courses in mining, special lectures by prominent engineers. The list of such lecturers for 1904-05 and more detailed information as to the courses offered and as to the facilities for instruction will be found in the *Announcement of the School of Mines* for 1905-06.

Music

CORNELIUS RÜBNER.....*	Professor
LEONARD BEECHER MCWHOOD, A.B.....	Adjunct Professor

The courses in this department fall into four divisions; general musical culture, the technique of musical composition, musical dictation, and practical training in orchestral and choral music. In the general courses, music is treated historically and æsthetically as an element of liberal culture; the technical side of the art is explained, and the lectures are supplemented by illustrations and analysis. The aim of the technical courses is to teach music theoretically and scientifically with a view to training musicians competent to teach and to compose.

All courses are open to undergraduate students, to university students, and to non-matriculated students of music; and all, except Courses 15-16 and 17-18, to women on the same terms as to men.

Course 101-102 is open only to students that have taken Course 1-2, and to others equally qualified. Similarly, Courses 103-104 and 105-106 presuppose 5-6; 13-14 presupposes 5-6 and 11-12; 107-108 presupposes 103-104; 109-110 presupposes 103-104 and 105-106; 111-112 presupposes 107-108, and 113-114 presupposes 109-110.

Courses 15-16, 17-18, and 19-20 may be counted towards the Bachelor's degree only in connection with some other course in Music.

The Department of Music offers numerous concerts and recitals to the University. These include various concerts of chamber music, an annual recital of original compositions by students in the department, and the regular concerts of the University Orchestra, the Glee Club, and the University Chorus. During 1905-06 a large number of public lectures on music are offered.

For the courses in Music offered at Teachers College see the *Announcement of Teachers College*.

Courses

1-2—General Musical Course. 1 hour. Professor McWHOOD

Music from its historical and æsthetic side; during the first half-year, the history of the art of music; during the second half-year, music as an element of liberal culture, the purpose being to furnish the basis for an intelligent appreciation of musical compositions.

5-6—Harmony. 2 hours. Professor McWHOOD

General theory, harmony, chords and their mutual relationships, non-harmonic tones, modulation and analysis; the ability to harmonize a given soprano or bass.

10—The Analysis of Musical Sound. 1 hour. Professor McWHOOD

Musical sounds in general; the principal orchestral instruments, acoustically and musically.

11-12—Musical Dictation. 1 hour. Professor McWHOOD

Rhythmic and melodic dictation, and the beginning of harmonic dictation.

13-14—Musical Dictation, advanced. 1 hour. Professor McWHOOD

A continuation of Course **11-12**, dealing especially with harmonic dictation.

Not given in 1905-06]

15-16—Men's Chorus (Glee Club). 2 hours. Professor McWHOOD

17-18—University Orchestra. 2 hours. Professor RÜBNER

19-20—University Chorus. 1 hour. Professor RÜBNER

[101-102]—General Musical Course, advanced. 1 hour. Professor RÜBNER

Not given in 1905-06]

103-104—Advanced Harmony and Practical Composition. 1 hour. Professor McWHOOD

Free harmony and the practical composition of Music in small forms.

105-106—Counterpoint. 2 hours. Professor McWHOOD

Mediæval counterpoint, canon, fugue, modern counterpoint, and part-writing.

107-108—Free Composition. 1 hour. Professor RÜBNER

109-110—Orchestration. 2 hours. Professor RÜBNER

111-112—Free Composition, advanced. 1 hour. Professor RÜBNER

113-114—Orchestration and Symphonic Form, advanced. 1 hour, Professor RÜBNER

Equipment

A collection of music and of books of reference is placed at the disposal of students. It includes the complete works of various composers, many orchestral and opera scores, the piano-forte classics, and

vocal music, besides many theoretical, historical, and biographical works. The department has also a collection of instruments for the use of students participating in the university orchestra.

Neurology

M. ALLEN STARR, M.D., LL.D., Sc.D.....	<i>Professor</i>
FREDERICK PETERSON, M.D.....	<i>Clinical Professor of Psychiatry</i>
PEARCE BAILEY, M.D.....	<i>Clinical Lecturer</i>
R. H. CUNNINGHAM, M.D.....	<i>Chief of Clinic and Instructor</i>

Clinical Assistants

C. E. ATWOOD, M.D.	H. R. HUMPHRIES, M.D.
S. P. GOODHARDT, M.D.	THOS. L. PROUT, M.D.
SMITH ELY JELLIFFE, M.D.	G. W. TODD, M.D.
B. E. KRYSTALL, M.D.	E. J. MCENTEE, M.D.
L. S. MANSON, M.D.	J. E. CLARK, M.D.
E. L. HUNT, M.D.	J. L. MACUMBER, M.D.
L. PIERCE CLARK, M.D.	C. F. HAVILAND, M.D.
C. D. CLEGHORN, M.D.	

Courses

1-2—Didactic lectures with lantern demonstration on nervous diseases. 1 hour, four months for two years. W., 4 P.M. Professor STARR

Brain and Functional diseases, 1905.

Spinal Cord and Nerves, 1906.

3-4—Clinical lectures. 1 hour, F., 2 P.M. Professor STARR

5-6—Section teaching—Practical neurology. Ten lessons. Dr. BAILEY and Dr. CUNNINGHAM

8—Clinics on insanity. 4 hours in January. Professor PETERSON

Obstetrics

EDWIN B. CRAGIN, M.D.....	<i>Professor</i>
HARRY McM. PAINTER, M.D.....	<i>Professor of Clinical Obstetrics</i>
JAMES D. VOORHEES, M.D.....	<i>Lecturer</i>
GEORGE H. RYDER, M.D.....	<i>Instructor</i>

Courses

Course 1 is required, in the third year, of candidates for the degree of M.D.; Course 3-4, in the second year; Course 5-6, in the fourth year.

1—Theory and practice of obstetrics—Lectures. 3 hours, two didactic and one clinical. Professor CRAGIN

3-4—Recitations and demonstrations. 1 hour for each student.

One sixth of the class receives instruction daily, by recitations and demonstrations. Dr. VOORHEES

5-6—Practical instruction at the Sloane Maternity Hospital. The students are divided, at the beginning of the academic year, into sections of six, each section remaining on duty at the Hospital for two weeks. Dr. RYDER

The Sloane Maternity Hospital

The Sloane Maternity Hospital is situated upon the grounds of the College of Physicians and Surgeons, and the service is under the exclusive direction of the Professor of Obstetrics in the College, one of the Instructors in Obstetrics being the resident physician.

The wards of the Hospital furnish one hundred and sixteen beds, and there are ample accommodations for the house staff, students, and nurses. The operating-room is equipped with all modern surgical and obstetrical conveniences, and weekly clinics for the entire third-year class are given here during the first half-year. The number of deliveries averages over fifteen hundred a year. These, with the obstetric operations and the subsequent treatment of women and infants, afford invaluable practical experience, such as is offered at no other school in this country.

Oriental Languages

CHINESE

FRIEDRICH HIRTH, Ph.D.....*Dean Lung Professor*
 BERTHOLD LAUFER, Ph.D.....*Lecturer*
 ROBERT J. H. KLIENE.....*Assistant*

Courses 105-106, 107-108, and 109-110 are designed for students not wishing to become specialists. The seminars are arranged for advanced students only. For the general significance of course numbers see page 36.

Pending the completion of the collection of Chinese books now in the course of formation in connection with the Columbia Library, Courses and Seminars will be held in Professor HIRTH's private library, near Columbia University, 501 W. 113th Street. Course 109-110 (Ethnography) will be given at the Museum of Natural History.

101-102—Elementary course—Study of Chinese characters with explanations regarding the peculiarities of Chinese life and language. 3 hours. Professor HIRTH. Evening course. 2 hours. Mr. KLIENE

201-202—Analysis and translation of easy documents written in the Chinese modern business style. 2 hours. Professor HIRTH

203-204—Analysis and translation of selected easy texts from the national histories and the Confucian classics. 2 hours. Professor HIRTH

205-206—Helps and keys in Chinese literature. 1 hour. Professor HIRTH

103-104—The Mandarin dialect. Evening course. 3 hours. Mr. KLIENE

105-106—History of the Chinese Empire. 1 hour. Professor HIRTH

107-108—Language, literature, government, art, and social life of the Chinese. 2 hours. Professor HIRTH

109-110—Ethnography of Eastern Asia with special reference to China. Illustrated by the exhibits of the Chinese collection in the American Museum of Natural History. 2 hours. Dr. LAUFER

Seminars

The Seminars are for research work and special study in three directions: (a) modern government matters; (b) historical literature; and (c) literature on art, industry, and culture. Any two will be offered in each academic year, according to the needs of students.

207-208—Seminar for the study of Chinese government matters, based on original state papers, provincial newspapers, etc. 2 hours. Professor HIRTH

209-210—Seminar for historical studies in Chinese literature. 2 hours. Professor HIRTH

211-212—Seminar for the study of Chinese art, industry, and general culture. 1 hour. Professor HIRTH

213-214—Elementary course in Tibetan, Manchu, or Mongolian. Dr. LAUFER

INDO-IRANIAN LANGUAGES

A. V. WILLIAMS JACKSON, Ph.D., L.H.D., LL.D.....*Professor*
ABRAHAM YOHANNAN, Ph.D.....*Lecturer*

The following courses of instruction are intended to be introductory to the study of comparative philology and of the history of religion, as well as to the study of the history, antiquities, and literature of India and Persia and also of Armenia. Indo-Iranian **101-102** may be taken with advantage in connection with any of the Latin, Greek, or other linguistic courses.

Courses **101-102**, **105-106**, **107-108**, and either **103-104** or **201-202**, are intended to be given each year. Courses **203-204**, **205**, **206**, **207-208**, and **211-212** form a supplementary series. Two of this series will be given each year according to the requirements of the students in attendance. Course **209**, on some special Iranian subject, Course **210**, on Zoroaster and Buddha and their teachings, and Course **109**, on the history of India and of Persia, will be offered every second or third year. For the significance of course numbers see page 36.

Courses **103-104** and **205**, are not given in 1905-06.

Courses

101-102—Sanskrit, elementary course. 3 hours. Professor JACKSON

[103-104—Avestan, elementary course—Grammar and reading of texts. 2 hours. Professor JACKSON]

105-106—Sanskrit, advanced course. First half-year: The Sanskrit drama *Nagananda* of Harsha; selections from Manu, with the native commentary. Second half-year: Introduction to the study of the Veda. 2 hours. Professor JACKSON

107-108—Modern Persian, introductory course. First half-year: Grammar and reading. St. Clair-Tisdall's *Modern Persian Conversation-Grammar*. Second half-year: Interpretation of Sa'di's *Gulistan*. 2 hours. Dr. YOHANNAN

109—History of India and of Persia. 2 hours. Professor JACKSON
This course is identical with History 103

201-202—Avestan, advanced course—Interpretation of texts, antiquities, and literature. 2 hours. Professor JACKSON

203-204—Pali, elementary course. 1 hour. Professor JACKSON

[205—Old Persian cuneiform inscriptions. 1 hour. Professor JACKSON]

206—Pahlavi, introductory course. 1 hour. Professor JACKSON

207-208—Sanskrit literature—Lectures on some branch of the literature; rapid reading of assigned texts. 1 hour. Professor JACKSON

209—Zoroastrian Gathas—Reading of texts with the Pahlavi and the Sanskrit version. 1 hour. Professor JACKSON

210—Zoroaster and Buddha and their teachings. 1 hour. Professor JACKSON

211-212—Modern Persian, second-year course. Selections from Firdausi, from Omar Khayyam, and from Hafiz. 2 hours. Dr. YOHANNAN

Course in Armenian

213-214—Principles of the grammar, with selected readings. 2 hours. Dr. YOHANNAN

Seminar

215-216—Indo-Iranian Seminar. 1 hour. Professor JACKSON

Public Lectures

A course of afternoon lectures on the literature, antiquities, and history of ancient India and Persia, open to all students of the University and to auditors, is given during the winter months. Public

announcement of the subjects will be made at the time when these lecturers are to be delivered.

Course in the Science of Language

111-112—Introduction to the science of language. 2 hours. Professor JACKSON

Upon special request advanced courses in Semitic and Indo-Iranian linguistics, covering at least one term, will be offered by the division.

SEMITIC LANGUAGES

RICHARD J. H. GOTTHEIL, Ph.D.....*Professor*
 JOHN DYNELEY PRINCE, Ph.D.....*Professor*
 ABRAHAM YOHANNAN, Ph.D.....*Gustav Gottheil Lecturer*
 ROBERT J. LAU, Ph.D.....*Lecturer*

Courses in brackets are not given in 1905-06.

For fuller details, students are requested to consult the *Announcement of the Division of Oriental Languages*, which may be had upon application to the Secretary of the University

For the significance of course numbers see page 36

Hebrew

The course in Hebrew extends over three years. The first year is devoted to the study of the elements; the second, to the study of the syntax and the acquiring of ease in translating from Hebrew into English and from English into Hebrew; the third, to a critical study of one or more books of the Bible.

The attention of students in the College is directed to the fact that it is desirable that those who intend entering a theological seminary after graduation shall have had at least two years' previous training in Hebrew. Opportunity for this training is given the students of Columbia College.

101-102—Biblical Hebrew, elementary course—Davidson's *Introductory Hebrew Grammar*. Dr. LAU

103—Biblical Hebrew, second course. Selections from Job. Professor PRINCE

104—Selected readings. Professor GOTTHEIL

Students registering for this course must take both **103** and **104**.

105—Biblical Hebrew, third (lecture) course. Semitic archæology and its bearings upon the study of the Bible. Professor GOTTHEIL

106—The history of the literature of the Old Testament; Lectures on the origin and development of Hebrew literature. 1 hour. Professor PRINCE

Other courses in Hebrew are given at the Union Theological Seminary.

Courses in Rabbinical Hebrew

107-108—Selected readings from the Mishnah—Text-books: Strack's *Joma* (Berlin, 1888), and *Schabbath* (Leipzig, 1890). Professor GOTTHEIL

109-110—Selected readings from the Talmud, Treatise Berachoth. Professor GOTTHEIL

201—Lectures on post-Biblical Hebrew literature. Professor GOTTHEIL

Epigraphy

These courses are intended to cover the whole field of Semitic Epigraphy during a period of three years. For Course **203-204** a previous knowledge of Hebrew is required; for Course **205-206**, of Aramæan; and for Course **207-208**, of Arabic.

[203-204]—Interpretation of the Phœnician inscriptions, with an introduction to Semitic palæography and the history of the alphabet. *Corpus Inscriptionum Semiticarum*, vol. i. 1 hour. Professor GOTTHEIL]

[205-206]—Interpretation of the Aramæan inscriptions of Sinjirli and of the *Corpus Inscriptionum Semiticarum*, vol. ii. 1 hour. Professor GOTTHEIL]

[207-208]—Interpretation of the Sabæan and Himyaritic inscriptions contained in the *Corpus Inscriptionum Semiticarum*, vol. iv. Professor GOTTHEIL]

111-112—Assyrian elementary course—Study of the syllabary, with readings from Delitzsch's *Assyrische Lesestücke* (4th ed., 1901).

209-210—Advanced course—Study of the texts in II. and IV. Rawlinson. Sumerian studies. Professor PRINCE

211-212—Advanced course—Sumerian lexicography. Professor PRINCE

M. 10.30-12.30.

113—Arabic elementary course—Grammar and translation. Dr. LAU

114—Second course—Study of Brunnow's *Chrestomathie aus arabischen Prosaschriftstellern*. Dr. LAU

213-214—Advanced course—Selections from the *Annals of Tabari* and from the *Prolegomena of Ibn Khaldun*; Arîb, *Tabari Continuatus* (ed. De Goeje, Leiden, 1897). Professor GOTTHEIL

115-116—Syriac first course. First half-year: Grammar and selected readings from the Peshitta. Second half-year: Interpretation of selected portions of the *Acta Martyrum* (ed. Bedjan). Dr. LAU.
M. and W. at 3.10

117-118—Second course. First half-year: Interpretation of Lagarde's *Analecta Syriaca*. Second half-year: Interpretation of

the Syriac grammar *Kethābhā Dhesemhē* of Bar Hebraeus. Professor GOTTHEIL and Dr. YOHANNAN

[In case there should be a demand for instruction in Modern Syriac, Dr. Yohannan will make arrangements for a course.]

215-216—Ethiopic—Principles of the grammar and reading of the extracts in Prætorius. 1 hour. Professor GOTTHEIL

Oriental History

[119-120—The ancient history of Western Asia from the earliest times until the period of Alexander the Great. 2 hours. Professor PRINCE. Identical with History 101-102]

122—The rise of Arabian civilization and the spread of Mohammedanism. Professor GOTTHEIL. Identical with History 104

[123-124—The modern Orient. Professor GOTTHEIL]

125-126—Semitic Seminar—The Seminar will take up the study of current questions in Semitic philology and history with especial reference to modern methods of research. Professors GOTTHEIL and PRINCE

Attendance at the Seminar meetings will be obligatory upon candidates for the degrees of Master of Arts and Doctor of Philosophy whose major subject is in Semitic Languages. The meetings are open also to advanced students one of whose minor subjects is in the Department of Semitic Languages.

Egyptian and Turkish

217—Egyptian—Elementary course in Coptic. 1 hour. Professor PRINCE

218—Egyptian hieroglyphs and advanced Coptic. 1 hour. Professor PRINCE

127-128—Turkish—Principles of the grammar. Second half-year: Exercises in Turkish conversation and in the reading of Turkish newspapers. 2 hours. Dr. YOHANNAN

Courses in Semitic Languages at the Union Theological Seminary

A detailed announcement of these courses is given in the circular issued by the Division of Oriental Languages. Such courses may be counted as part of the work required for the degrees of Master of Arts and Doctor of Philosophy.

Equipment

The Columbia University Library (about 330,000 volumes) contains most of the important periodicals which deal with Oriental research, and has quite a rich collection of the publications of the learned societies of Europe—e. g., of the Academies of Berlin, Vienna, Leipsic, St. Petersburg, Brussels, Paris, and Rome (Lincei).

The books relating to East Indian and Iranian subjects in the University Library comprise already a good collection of the most important text-editions and works of reference, and additions are constantly being made. Most of the best works dealing with Semitic philology will be found in the Library; care has been taken, especially in Assyriology, to buy all the more important publications. In the Avery Architectural Library most of the monumental works relating to Eastern art and archæology will be found. Through the generosity of the trustees of Temple Emanuel, the Library now possesses the most complete collection of works in Rabbinical Hebrew to be found in this country. There is also a small collection of Hebrew, Arabic, and Persian MSS., designed for the use of advanced students. The resources of the University Library are supplemented in the most valuable way by the collections of all branches of Orientalia in the New York Public Library. A collection of old Babylonian tablets has been added to the department. These, together with the casts of tablets in the Metropolitan Museum of Art, furnish material for those who wish to devote themselves especially to the study of Babylonian and Assyrian.

The library of the Union Theological Seminary, which is accessible to advanced students at Columbia University, contains all the current theological periodicals.

Pathology

T. MITCHELL PRUDDEN, M.D., LL.D.....	<i>Professor of Pathology</i>
EUGENE HODENPYL, M.D.....	<i>Adjunct Professor of Pathological Anatomy</i>
FRANCIS CARTER WOOD, M.D.....	<i>Adjunct Professor of Clinical Pathology</i>
JOHN H. LARKIN, M.D.....	<i>Instructor in Pathology and Curator of the Museum</i>
NORMAN E. DITMAN, M.D.....	<i>Instructor in Pathology</i>
GEORGE A. TUTTLE, M.D.....	<i>Demonstrator in Pathological Anatomy</i>
HORST OERTEL, M.D.....	<i>Demonstrator in Pathological Anatomy</i>
EDWARD LEAMING, M.D.....	<i>Instructor in Photomicrography</i>
D. STUART DODGE JESSUP, M.D.....	<i>Assistant in Clinical Pathology</i>
KARL M. VOGEL, M.D.....	<i>Assistant in Pathology</i>

For the convenience of administration, and for the better association of allied themes, the laboratories of Pathology, Normal Histology, Bacteriology and Hygiene, Clinical Pathology, and Photography are grouped together in the Department of Pathology under the direction of the Professor of Pathology.

For the significance of course numbers see page 36

Courses in Pathology

Further details respecting the following courses are to be found in the special Bulletin of Information of the College of Physicians and Surgeons.

Course 51 is required, in the third year, of candidates for the degree of M.D. Course 52 is required, in the second year, of candidates for the degree of M.D. Course 53 is required, in the third year, of candidates for the degree of M.D.

Course 51 in Clinical Pathology is required, in the third year, of candidates for the degree of M.D.

Courses 204 in Pathology and 200 in Clinical Pathology cannot be counted for a degree, and are open only to qualified graduate students by special arrangement with the head of the department.

51—Autopsy technique and pathological anatomy at the Roosevelt, Presbyterian, St. Luke's, St. Francis', City, or Bellevue Hospitals, twice a week for half the year. Drs. HODENPYL, TUTTLE, WOOD, and OERTEL

52—Practical instruction in general and special pathology, and in the bacteriology of the infectious diseases. 8 hours a week for one half of the academic year. Professors PRUDDEN and HODENPYL and Drs. LARKIN, BAILEY, DITMAN, and VOGEL

53—Demonstrations in pathological anatomy. 1 hour a week throughout the academic year. Professor HODENPYL and Drs. LARKIN, DITMAN, and VOGEL

204—Pathological anatomy and histology, experimental pathology, and clinical pathology. Professors PRUDDEN, HODENPYL, and WOOD

Courses in Clinical Pathology

51—Practical instruction in clinical pathology. 6 hours a week for one quarter of the academic year. Professor WOOD and Dr. JESSUP

200—Special laboratory course in clinical pathology. Professor WOOD

Photography and Photomicrography

1—Practical instruction is given to a limited number of men in the photographic laboratories of the college, in the technique of photography and photomicrography. Dr. LEAMING

Research

Research in pathology may be pursued in the laboratories of this department by a limited number of graduate students or practitioners of medicine or other advanced workers. Professor PRUDDEN

Museum

The Museum of Pathology is made use of in the work of this department, both for the instruction of medical students and as a place of deposit for specimens showing new and rare forms of lesions,

Equipment

The Department of Pathology occupies the two upper floors of the north wing of the college building. The large class-rooms on the upper floor are used for the classes in pathology, bacteriology, and histology. The fourth floor is devoted to the pathological museum and to a large preparation laboratory, a workshop, cold storage, and the like. The remaining space is devoted to a general laboratory and to private rooms for instructors and advanced workers in pathology, to undergraduate and to research work in bacteriology and hygiene, and clinical pathology, and to a departmental library.

The entire space is amply lighted, fully furnished, and equipped with such new apparatus as the rapidly growing sciences of pathology, bacteriology, and closely allied themes require.

Pediatrics

(See Diseases of Children, page 66)

Pharmacology, Materia Medica, and Therapeutics

CHRISTIAN A. HERTER, M.D.....	<i>Professor of Pharmacology and Therapeutics</i>
SAMUEL W. LAMBERT, A.M., M.D....	<i>Professor of Applied Therapeutics</i>
SMITH ELY JELLIFFE, M.D., Ph.D....	<i>Instructor in Pharmacology and Therapeutics</i>
ALFRED N. RICHARDS, Ph.D.....	<i>Instructor in Pharmacology</i>
WALTER A. BASTEDO, M.D.....	<i>Instructor in Materia Medica and Pharmacology</i>
HENRY S. PATTERSON, M.D.....	<i>Tutor in Materia Medica and Therapeutics</i>
WILLIAM R. WILLIAMS, M.D.....	<i>Tutor in Materia Medica and Therapeutics</i>

Clinical Assistants in Applied Therapeutics

WALTER A. BASTEDO, M.D.
 F. G. GOODRIDGE, M.D.
 NELLIS B. FOSTER, M.D.
 ARTHUR W. BINGHAM, M.D.
 H. V. W. SCHULTE, M.D.
 HARRY M. KEATOR, M.D.
 JAMES M. KENT, M.D.
 HANS ZINSSER, M.D.
 SIGMUND EPSTEIN, M.D.
 WILLIAM R. MAY, M.D.
 CHARLES E. WEBSTER, M.D.

Courses

Courses 1, 3-4, 5-6, are required in the second year. Course 11-12 in the third year, Course 9-10 in the fourth year, Courses 7 and 8 in both the third and fourth years, of candidates for the degree of M.D. Course 101-102 is optional to a limited number of students in the third year in medicine.

1—Lectures on the principles of materia medica. 1 hour. Dr. JELLIFFE

3-4—Practical instruction in the pharmaceutical laboratory. 1½ hours. Drs. JELLIFFE and BASTEDO

5-6—Recitations in materia medica and pharmacology. 1 hour. Drs. JELLIFFE and BASTEDO

7—Lectures on the principles of pharmacology, toxicology, and therapeutics. 2 hours. Professor HERTER

8—Lectures on applied therapeutics. 2 hours. Professor LAMBERT

9-10—Clinical instruction in therapeutics. 1-hour exercises, six times a week for four weeks, in sections. Professor LAMBERT and Dr. PATTERSON

11-12—Recitations on the work given in lectures of Courses 7 and 8. 1 hour. Dr. WILLIAMS

101-102—Laboratory course in pharmacology. 2-hour exercises twice a week for one quarter of the year. Dr. RICHARDS

Advanced students may pursue special prescription work in the pharmaceutical laboratory under the direction of Drs. JELLIFFE and BASTEDO

Research

The research laboratory of pharmacology is open to a limited number of workers.

Philosophy and Psychology

JAMES MCKEEN CATTELL, Ph.D.....	Professor
MOSES ALLEN STARR, M.D., LL.D., Sc.D.....	Professor
HERBERT GARDINER LORD, A.M.....	Professor
EDWARD LEE THORNDIKE, Ph.D.....	Professor
FREDERICK J. E. WOODBRIDGE, A.M., LL.D....	Johnsonian Professor
FELIX ADLER, Ph.D.....	Professor
CHARLES AUGUSTUS STRONG, A.B.....	Professor
JOHN ANGUS MACVANNEL, Ph.D.....	Adjunct Professor
GEORGE STUART FULLERTON, Ph.D., LL.D.....	Professor
JOHN DEWEY, Ph.D., LL.D.....	Professor
ROBERT SESSIONS WOODWORTH, Ph.D.....	Adjunct Professor
WILLIAM PEPPERRELL MONTAGUE, Ph.D.....	Instructor
NAOMI NORSWORTHY, Ph.D.....	Instructor

DICKINSON S. MILLER, Ph.D.....	Lecturer
WENDELL T. BUSH, Ph.D.....	Lecturer
VIVIAN A. C. HENMON, Ph.D.....	Lecturer
WALTER BOUGHTON PITKIN, A.B.....	Lecturer
DAVID FERDINAND SWENSON, B.S.....	Assistant
FRANCIS MERRIAM HAMILTON, A.B.....	Assistant
STEVENSON SMITH, A.B.....	Assistant
MARY THEODORA WHITELY, B.S.....	Assistant
ROWLAND HAYNES, A.M.....	Assistant

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., Litt. D. (Oxon.)... *President
and Professor*

Philosophy A is a prescribed subject for undergraduates in the second or third year of residence. It should be elected in the second year by students wishing to follow other courses in philosophy and psychology.

The seminars and research courses are for students who are able to do independent work, and can be taken only with the consent of the instructor. Students desiring to take the advanced courses should in every case consult the instructors in charge.

Psychology 3-4 and 101-102 are not open to Barnard students. All courses in philosophy and psychology, except Psychology 251-252, are open to women.

Bracketed courses are not given in 1905-06.

For the significance of course numbers see page 36

Courses in Philosophy

A1-A2—At Columbia College: The principles of science. 3 hours. Professor WOODBRIDGE and Mr. SWENSON. At Barnard College: Introductory logic and scientific method. 3 hours, first half-year. Mr. PITKIN. Introductory psychology. 3 hours, second half-year. Professor LORD and Mr. PITKIN

1-2—Logic and introduction to philosophy. 3 hours. Dr. MILLER

21-22—Ethics. At Columbia College, 3 hours, first half-year. At Barnard College, 3 hours, second half-year. Professor LORD

101-102—Metaphysics. 3 hours. Professor FULLERTON

121-122—Psychological ethics. 2 hours. Professor DEWEY

[123-124—Advanced ethics. Dr. MONTAGUE]

126—Ethics. 2 hours, second half-year. Professor ADLER

127-128—Ethical ideals of the nineteenth century. 2 hours. Dr. MILLER

141-142—Principles and problems of æsthetics. At Columbia College, 3 hours, second half-year. At Barnard College, 3 hours, first half-year. Mr. PITKIN

161-162—The history of philosophy. At Columbia College, 3 hours. At Barnard College, 3 hours. Dr. MONTAGUE

163-164—The philosophy of Descartes, Spinoza, and Leibniz. 2 hours. Dr. MILLER

165-166—British philosophy from Locke to Herbert Spencer. 2 hours. Dr. MONTAGUE

167-168—The philosophy of Kant. 2 hours. Dr. MONTAGUE

170—The philosophy of Plato. 2 hours, second half-year. Dr. BUSH

181-182—Practicum. Philosophy of education. 2 hours. Professor MACVANNEL

201-202—The logic of experience. 2 hours. Professor DEWEY

203-204—Logic and metaphysics. 2 hours. Professor WOODBRIDGE

[205-206—The philosophy of realism. 2 hours. Dr. MONTAGUE]

209-210—Types of epistemological theory. 2 hours. Professor FULLERTON

211-212—Research work in philosophy. Professor DEWEY

213-214—Research work in philosophy. Professor WOODBRIDGE

[221-222—Logic of ethics. Professor DEWEY]

[223-224—Seminar in ethics. Dr. MONTAGUE]

225-226—Seminar in ethics. Professor ADLER

265-266—Research work in the history of philosophy. 2 hours. Professor WOODBRIDGE

281-282—Seminar. Professor MACVANNEL

283-284—Seminar. 2 hours. Professor DEWEY

Philosophy of Religion (at the Union Theological Seminary)

A—Philosophy of religion—the philosophical foundation. 2 hours, first half-year. Professor KNOX

B—Theism. 2 hours, second half-year. Professor KNOX

C—Survey of the ethnic faiths. 2 hours, first half-year. Professor KNOX

F—Introduction to the study of the philosophy of religion. 2 hours. Professor KNOX

Apologetics B and D may also be counted as courses in the philosophy of religion.

Philosophy of Religion (at the General Theological Seminary)

A—Psychology of religion. 2 hours, second half-year. Professor HAYES

B—Christian theism. 4 hours, first half-year. Professor HAYES

C—Studies in the philosophy of religion. 2 hours, first half-year. Professor HAYES

G—Studies in the ethnic religions. 2 hours, second half-year. Professor HAYES

Ethics (at the Union Theological Seminary)

A and B—Christian ethics. 2 hours. Professor THOMAS C. HALL

C—Special introduction to ethics. 2 hours, first half-year. Professor THOMAS C. HALL

E—History of ethical thought. 2 hours. Professor THOMAS C. HALL

G—Christian casuistry. 1 hour. Professor THOMAS C. HALL

H—Study of modern ethics. 2 hours. Professor THOMAS C. HALL

J—The field of ethical inquiry. 2 hours, first half-year. Professor THOMAS C. HALL

Ethics (at the General Theological Seminary)

A—Ethical development in the Old Testament with a comparative view of ethnic codes. 2 hours, second half-year. Mr. HUNT

B—The ethics of the New Testament. 2 hours, first half-year. Mr. HUNT

C—Christian ethics in relation to modern social problems. 2 hours. Mr. HUNT

Courses in Psychology

1-2—Elements of general psychology. 3 hours. Professor LORD

3-4—Experimental psychology,—Introductory course. Lectures, 3 hours. Laboratory work, 4 hours. Professor WOODWORTH assisted by Mr. SMITH

101-102—Introduction to psychology. 2 hours

A. Prolegomena to psychology. Two lectures. President BUTLER

B. History of psychology. Six lectures. Professor WOODBRIDGE

C. Physiological psychology. Eight lectures. Professor WOODWORTH

D. Experimental psychology. Eight lectures. Professor CATTELL

E. Genetic psychology. Eight lectures. Professor THORNDIKE

F. Comparative psychology. Six lectures. Professor FARRAND

G. Psychological æsthetics. Four lectures. Mr. PITKIN

H. Psychological ethics. Three lectures. Professor ADLER

I. Pathological psychology. Three lectures. Professor STARR

J. Analytic psychology. Four lectures. Dr. MONTAGUE

K. Social psychology. Four lectures. Professor DEWEY

L. Philosophy of mind. Six lectures. Professor FULLERTON

111-112—Experimental psychology—Advanced course. 2 hours. Professor CATTELL

113-114—Experimental psychology. Laboratory work in connection with Psychology 111-112. 2 to 8 hours. Professor CATTELL and Mr. HAMILTON

121-122—Genetic psychology—Advanced course. 2 hours. Professor THORNDIKE

131-132—Physiological psychology. 3 hours. Professor WOODWORTH

133-134—Laboratory course in physiological psychology. 2 to 8 hours. Professor WOODWORTH and Mr. SMITH

[135-136—Pathological psychology. 3 hours. Professor WOODWORTH]

[137-138—Laboratory and observational work in pathological psychology. 2 to 8 hours. Professor WOODWORTH and Mr. SMITH

161-162—Analytic psychology. 2 hours. Dr. HENMON

[163-164—Philosophy of mind. 2 hours. Professor STRONG]

[171-172—Social psychology. 2 hours. Professor DEWEY]

221-222—The application of psychological and statistical methods to education. 2 hours. Professor THORNDIKE

321-322—Seminar. Professor THORNDIKE

231-232—The psychology of movement. 2 hours. Professor WOODWORTH

233-234—Research in physiological and pathological psychology. Professor WOODWORTH assisted by Mr. SMITH

[241-242—Mental intensity and time. 2 hours. Dr. HENMON]

251-252—Diseases of the mind and nervous system. 1 hour, first half-year. Professor STARR

261-262—Research work in analytic psychology and the philosophy of mind. Dr. HENMON

281-282—Problems in experimental psychology. 2 hours. Professor CATTELL

283-284—Research work in experimental psychology. Professor CATTELL assisted by Mr. HAMILTON and Mr. SMITH

Equipment

LIBRARY FACILITIES—The library facilities of Columbia University and of the city of New York, for students of philosophy and psychology, are unusually good. The University Library, open daily (except Sunday) for fifteen hours, contains more than 300,000 bound volumes and an equal number of pamphlets, and is being added to at the rate of more than 18,000 volumes annually. Any book needed by an advanced student can usually be bought at once. The collection of books on the history of philosophy is very large, that on Kant and his philosophy being especially complete. About 1000 periodicals are regularly received at the University Library, and among them will be found every journal of importance, American or foreign, dealing with philosophy or psychology. Duplicates of the more important books and journals are placed in the Psychological Laboratory, where there is also a card index of psychological literature containing over 15,000

titles. Students of psychology will also find much of value in the Library of the Academy of Medicine, 15 West 43d Street, which is open to students free of charge. The Astor and Lenox Libraries are also available for students, when introduced by one of the instructors, on especially favorable terms.

THE PSYCHOLOGICAL LABORATORY—The laboratory is in Schermerhorn Hall, a building "devoted to the advancement of natural science." It occupies the eastern half of the second floor and part of the floor immediately above, the rooms being as follows: A lecture-room, seating one hundred students, used also as a general laboratory; a seminar room with a department library, a workshop, a photographic and chemical room, an apparatus cabinet, an anthropometric laboratory, five rooms used as offices and laboratories by the officers of the department, and eight research laboratories. Two of these are dark-rooms, specially constructed to exclude sound as well as light, 18 feet high and well ventilated. The laboratory has light from the north and south, is supplied with electric current of both high and low potential, and is in all respects equipped both for instruction and research. The collection of apparatus includes: (1) Outfit for making and repairing apparatus, electric motors, etc. A skilled instrument-maker is continually employed, adding greatly to the efficiency of the laboratory. (2) The outfit of an anthropometric laboratory with which freshmen in the college and others are annually tested. (3) The apparatus, preparations, charts, etc., needed for complete courses in experimental, physiological, and genetic psychology; and (4) the apparatus that has been used or is being used in special researches, a large part of which has been made especially for the laboratory. The outfit for the courses of instruction is now in large measure secured, and the annual appropriations can be used chiefly for apparatus needed in special researches.

Photography and Photomicrography

(See page 132)

Physical Education

THOMAS DENISON WOOD, M.D.....	<i>Professor</i>
GEORGE LOUIS MEYLAN, A.M., M.D....	<i>Adjunct Professor and Medical</i>
	<i>Director of the University Gymnasium</i>
WILLIAM SKARSTROM, M.D.....	<i>Instructor</i>
JOHN A. DAVIS.....	<i>Assistant</i>
DUDLEY BILLINGS REED, A.B.....	<i>Assistant</i>
JOHN SLACK KEITH, A.B.....	<i>Assistant</i>
ARTHUR SHOEMAKER, M.D.....	<i>Assistant</i>
WESLEY HEMAN BEACH, A.B.....	<i>Assistant</i>
GEORGE THOMAS HOLM.....	<i>Teacher of Swimming</i>
WILLIAM L. ESSEX.....	<i>Secretary</i>

The instruction in the Department of Physical Education includes the general courses in hygiene now offered and to be announced later in Columbia, Barnard, and Teachers Colleges, the instruction in physical training given in the various gymnasiums, and the courses offered in the professional course for the training of teachers of Physical Education in Teachers College.

Every student is entitled to a physical examination by the Medical Director. On the basis of this examination advice is given as to the kind and amount of exercise best adapted to his needs.

The gymnasium fee (see page 25) covers the free use of the Gymnasium, a locker, and the baths. Officers, students in the Schools of Medicine and Pharmacy, and alumni, may use the Gymnasium upon payment of this fee.

Two hours a week of work in the Gymnasium are prescribed for all members of the two lower classes in the College and the Schools of Applied Science, and Fine Arts, except students holding degrees from other colleges. A physical examination is required of each student in these classes upon entrance and at the end of the second year, and of all other students taking part in athletics.

The work prescribed for these classes is arranged with a view to securing three definite ends: First, health; second, organic vigor, control, efficiency, and endurance; third, erect carriage and correct position of the head, shoulders, and chest.

In the prescribed courses students are marked upon the basis of attendance, effort, and knowledge of the subjects taught, and a passing mark is necessary for a degree.

In addition to the class work, as much individual instruction and assistance as may be possible will be given to those who need special training for self-improvement.

Optional classes, open to every member of the University, are held every afternoon.

For detailed information, see the Announcement of the Division of Physical Education and the Announcement of Teachers College.

Courses

For Men

Hygiene **1-2**. Lectures, quizzes, and a report on some phase of personal or sanitary hygiene. 2 hours. Professor MEYLAN

Physical education **A1-A2**. 2 hours a week of elementary graded gymnastic exercises, and 6 lectures on personal hygiene. 2 points. Dr. SKARSTROM and Assistants

In sections

Physical education **B1-B2**. 2 hours a week of graded gymnastic exercises, and 6 lectures on personal hygiene. 2 points. Mr. DAVIS

In sections

For Women

A1-A2—Hygiene. 1 lecture a week. Professor MEYLAN
Prescribed for Freshmen

There are also fourteen courses given under the auspices of Teachers College: Physical Education 1-2, 3-4, 5, 6, 9-10, 11-12, 13-14, 15-16, 107-108, 119-120, Education 87-88, 189-190, and 289-290.

Equipment

The main exercising room is semicircular in shape, and has an area of 16,000 square feet. The ceiling is 35 feet high, and the room is well lighted and well ventilated, both naturally and artificially. The running track is 11 feet wide, with ends raised, and measures 10 laps to the mile. On the same floor as the running track are the Gymnasium and Director's offices, rooms for fencing, boxing, and handball, two large dressing-rooms with 1804 steel lockers, and 32 shower-baths. Below the exercising room is the swimming pool, semicircular in shape; it measures 100 by 50 feet on its axes, and contains 200,000 gallons of water. The depth is from 4 to 10 feet. Around the pool are the dressing-rooms, and 20 shower-, needle-, and tub-baths. On this floor is also a large room and two dressing-rooms equipped with shower-baths and lavatories, for the use of the various athletic teams.

The Frederick Ferris Thompson Memorial Building, given to Teachers College by Mrs. F. F. Thompson, has been recently completed. It is a building of four stories devoted to the purposes of Physical Education and School Hygiene. It contains offices, examination rooms, lecture- and class-rooms, laboratories, hand-ball courts, bowling alleys, a swimming pool, four gymnasiums, rooms for corrective exercises, dressing-rooms, shower-baths, fencing-room, and a suite of rooms for photographic purposes. This building provides physical-training facilities for the women, the pupils of the Horace Mann School, and the varied equipment for the theoretical and practical instruction of professional students in Physical Education.

The Gymnasium is open daily during the academic year, except on Sundays and legal holidays, from 8.30 A.M. to 6.30 P.M., Saturdays to 5 P.M. It is closed for the entire day only on Thanksgiving, Christmas, New Year's, and Good Friday. On all other holidays it is open from 2 to 6 P.M. One or more of the instructors are on the floor at all times when the Gymnasium is open.

Physics

WILLIAM HALLOCK, Ph.D.....	<i>Professor of Physics</i>
MICHAEL I. PUPIN, Ph.D.....	<i>Professor of Electro-Mechanics</i>
MARGARET E. MALBY, Ph.D....	<i>Adjunct Professor of Physics (Barnard College)</i>
HERSCHEL C. PARKER, Ph.B.....	<i>Adjunct Professor of Physics</i>

ERNEST F. NICHOLS, Ph.D.	Professor of Experimental Physics
JOSEPH C. PFISTER, A.M.	Adjunct Professor of Mechanics
FRANK L. TUFTS, Ph.D.	Adjunct Professor of Physics
ALBERT P. WILLS, Ph.D.	Adjunct Professor of Mechanics
CHARLES C. TROWBRIDGE, M.S.	Instructor in Physics
GEORGE B. PEGRAM, Ph.D.	Instructor in Physics
BERGEN DAVIS, Ph.D.	Tutor in Physics
WILLIAM S. DAY, Ph.D.	Tutor in Physics
HARRIET BROOKS, A.M.	Tutor in Physics (Barnard College)
CHARLES FORBES, B.S., M.D.	Curator in Physics
RICHARD F. DEIMEL, A.M.	Lecturer in Physics
ALLEN H. NELSON, A.M.	Assistant in Physics
EDWIN B. WHEELER, B.S.	Assistant in Physics
MICCO M. A. FONTRIER, A.B.	Assistant in Mechanics
L. E. WOODMAN, A.M.	Assistant in Physics

For fuller information as to the scope of the courses in this department, the conditions under which certain of them may be counted toward the higher degrees, the pre-requisites for each course, and the like, consult the Announcement of the Division of Mathematical and Physical Science, which may be obtained, without charge, from the Secretary of Columbia University.

Courses equivalent to 3-4, 101-102, 103-104 are given at Barnard College by Professor MALTBY and Miss BROOKS

For the significance of course numbers see page 36

Courses in Physics

1-2 (Science A)—General elementary physics. For students in medicine and those commencing the study of physics. 3 hours for half-year, given twice annually. Mr. TROWBRIDGE

Science A requires 6 hours laboratory work with this course

3-4—General physics—Properties of matter, sound and heat, first half-year. Light and electricity, second half-year. 2 hours, lectures, 1 hour recitation. Professor TUFTS, Dr. DAY, Dr. PEGRAM, and Dr. DAVIS

101-102—Magnetism and electricity. 3 hours, first half-year. Professor TUFTS. Sound. 2 hours, second half-year. Dr. PEGRAM

103-104—Light, first half-year. Professor HALLOCK. Heat, second half-year. Dr. DAY. 3 hours

105-106—Critical discussion of methods of measurement and computation according to the C. G. S. System. Electricity and magnetism, first half-year. Professor PARKER. Sound, light, and heat, second half-year. Dr. PEGRAM. 2 hours

171-172—Courses in advanced laboratory work upon the various

¹ Ernest Kempton Adams Fellow for 1905-06.

subjects of physics are arranged for properly qualified students. They will include collateral reading, and are intended to lead the way to original research.

An examination is required on general theory in connection with this course.

201—Discharge of electricity through gases. 2 hours. Dr. DAVIS

202—Electricity, advanced course, presupposes 101. 2 hours. Dr. TUFTS

203—Sound, advanced course, presupposes 102. 2 hours. Dr. PEGRAM

204—Light, advanced course, presupposes 103. 3 hours lectures. Professor HALLOCK

205—Heat, advanced course, presupposes 104. 3 hours. Dr. DAY

206—Phenomena of radioactivity, presupposes 201. 2 hours. Dr. PEGRAM

207-208—Fundamental phenomena of theoretical physics. 1 hour. Dr. TUFTS

209—The design and construction of apparatus. 1 hour. Professor HALLOCK

211-212—A course in the more general problems of radiation including emission, absorption, dispersion, etc. 2 hours. Professor NICHOLS

271-272—Original research under the direction of the professors is open to properly qualified persons

Laboratory Courses

NUMBER	TIME	CHARACTER	PRE-REQUISITES
31-32	3 hours	Elementary	
23-24	2 hours	Intermediate	
43-44	4 hours	Intermediate	Physics 31-32
63-64	6 hours	Intermediate	
25-26	2 hours	Advanced	
45-46	4 hours	Advanced	Physics 63-64
65-66	6 hours	Advanced	

Journal Club—The Journal Club of the department meets every week for the discussion of the current literature of physics and of reports of special investigations. Professor NICHOLS in charge.

Equipment

The laboratories and lecture rooms of the Department of Physics occupy four floors of Fayerweather Hall on the eastern side of the University grounds. The building is supplied with all ordinary conveniences, including compressed air, steam, electricity for power and

light, direct and alternating current. There is a vertical shaft 95 feet high, with gas, electric, and water outlets every ten feet. In the sub-basement a constant-temperature room is placed twelve feet below the surface of the ground. There are two lecture rooms, a library, an apparatus room, a shop, and a small laboratory on the first floor, while the remaining three floors devoted to the department are occupied by laboratories of different kinds.

The general laboratories are provided with all the usual apparatus for undergraduate work in mechanics, sound, heat, light, electricity, and magnetism.

The laboratories used for research have been named by the Trustees the "Phoenix Physical Laboratories," in memory of Mr. Stephen Whitney Phoenix, who bequeathed to the University a generous sum as an endowment for research in the physical sciences. On account of this endowment unusual facilities are offered for advanced work and research in physics. Among the principal additions to the equipment of these laboratories since 1903 may be mentioned the following: pulsometer and mercury air-pumps; a 60-cell large capacity storage battery with a complete switch-board and wiring system and a portable 500-cell small-capacity storage battery; two duBois-Rubens armored galvanometers; two 10-inch induction coils; Wolff precision potentiometers and Wheatstone bridges, standardized at the Reichsanstalt; a set of high potential, direct-current dynamos, giving 8000 volts; a large electromagnet for special researches; a Michelson interferometer; a 21-foot concave grating spectroscope; a reflecting spectrometer and two torsion radiometers for work in radiation.

Arrangements have been made by which it is possible to carry on certain investigations at the Botanical Garden, in Bronx Park, free from the magnetic and other disturbances of the city.

The department has a shop equipped with wood, metal, and glass-working machinery, and employs a skilled mechanician.

The Physical Laboratories at Barnard College occupy the second floor of Fiske Hall. They are supplied with the usual conveniences and well equipped with suitable apparatus for quantitative experimental work in all the courses offered. Through the generosity of Mrs. Collord, the department has recently acquired a very complete equipment in sound apparatus suitable for illustrating the theory of the production of tone in musical instruments, and for analyzing musical sounds.

The laboratories and lecture room of Teachers College are well equipped for illustrating the teaching of physics in secondary and normal schools. In these the physics classes of the Horace Mann School receive their instruction, and by observation and practical work in connection with the classes the students in Education 191-192 are enabled to become familiar with the duties of a teacher of physics.

Mechanics

Courses 103-104 and 201-211 are open to women on the same terms as to men.

1-2—Elementary mechanics. Loney's *Elements of Statics and Dynamics* is used as a text. 2 hours. Professor PFISTER

3-4—Elementary thermodynamics and hydromechanics. Thermodynamics, 2 hours, first half-year; hydromechanics, 2 hours, second half-year. Professor PFISTER

5-6—Analytical mechanics, abridged course. 2 hours. Professor PFISTER

7—Thermodynamics, abridged course. 2 hours. Professor WILLS, and Dr. PEGRAM

9—Elementary mechanics. Loney's *Elements of Statics and Dynamics*. 3 hours, first half-year. Professor PFISTER

101-102—Analytical mechanics. Rankine's *Applied Mechanics* is used as a text for reference. 3 hours. Professors PFISTER and WILLS, and Dr. PEGRAM

103-104—Theoretical mechanics. 2 hours. Professor PFISTER

106—Thermodynamics, with special reference to its bearing on the theory of heat engines. 3 hours. Professor WILLS, and Dr. PEGRAM

107—Theory of dynamo and motor (introductory). 2 hours. Professor WILLS

108—Theory of direct-current dynamo and motor, covering Hopkinson's theory of dynamo and motor designing, and Froelich's method of dynamo and motor testing. 3 hours. Professors PUPIN and WILLS

109—Theory of alternators and transformers. 3 hours. Professor PUPIN

110—Theory of variable currents. 3 hours. Professor PUPIN

To graduate students who desire a general acquaintance with Mathematical Physics, Professors PUPIN and WILLS now offer the following cycle of courses which may be completed in two years by taking four hours a week.

201—Mechanics. 2 hours. Professor WILLS

A knowledge of elementary mechanics, the calculus, and the elements of differential equations is presupposed. The subject is chiefly developed with reference to its bearing on the courses to follow, special attention being given to the general methods of d'Alembert, Lagrange, Jacobi, and Hamilton.

202—Theory of elasticity. 2 hours. Professor WILLS

Analysis of stresses and strains; theory of wave motion in elastic media.

203—Theory of the potential function. 2 hours. Professor PUPIN

General properties of the Newtonian potential function; Laplace's equation, Poisson's equation; the theorems of Green, Gauss, and Stokes.

204—Hydrokinetics. 2 hours. Professor PUPIN
General methods of Lagrange and Euler; vortex motion.

205-206—Electricity and magnetism—Electro-magnetic theory of light. 2 hours. Professor WILLS

Fundamental phenomena; derivation of Maxwell's equations for media at rest; electrostatics; magnetostatics; stationary states; variable states; dynamical phenomena. Derivation of equations of propagation; reflection; refraction; diffraction; polarization; dispersion; absorption.

207-208—Partial differential equations of physics. 2 hours. Professor PUPIN

Laplace's equation; Poisson's equation; equation of heat conduction; telegrapher's equation; Fourier's series; spherical harmonics; Bessel's Functions.

The announcement above applies to the year 1905-1906. In 1906-1907 the courses given in the previous year by Professor PUPIN will be given by Professor WILLS, and vice versa, this alternation taking place every year.

In addition to this cycle the following courses are given at intervals as required.

209—Lectures on special problems. 2 hours. Professor PUPIN

This course is intended for students who may desire lectures on particular problems not covered in the regular work.

211—Thermodynamics. 2 hours. Professor WILLS

Physiological Chemistry

WILLIAM J. GIES, M.S., Ph.D.....	Professor
GUSTAVE M. MEYER, Sc.D.....	Tutor
WILLIAM N. BERG, B.S.....	Assistant
WILLIAM H. WELKER, A.C.....	Assistant
WILLIAM SALANT, M.D.....	Assistant

Preliminary Statement

Detailed reference to the scope of the courses offered in this department may be found in the Announcements of the College of Physicians and Surgeons and of the Divisions of Biology and Chemistry.

Courses 51 and 102 are required, in the first year, of candidates for the degree of M.D

Candidates for the degree of A.M. or Ph.D. in this department are required to take Courses 51 and 102 or their equivalents.

For the significance of course numbers see page 36.

In addition to the courses announced below, this department co-

operates with the Department of Physiology in giving certain courses in physiology.

Course in General Chemistry

51—General chemistry. Lectures, 2 hours. Professor GIES. Recitations, 2 hours, each section (2). Professor GIES, and Dr. MEYER. Laboratory exercises (2) and demonstrations, 6 hours, each section (2). Professor GIES, Dr. MEYER, and Messrs. BERG and WELKER

Courses in Physiological Chemistry

102—General physiological chemistry. During the year 1905-1906, this course will be given to both first-year and second-year students of medicine, in two classes divided into three sections. Lecture, 1 hour. Professor GIES. Recitation, 1 hour, each section (3). Professor GIES and Dr. MEYER. Laboratory exercises (2) and demonstrations, 6 hours, each section (3). Professor GIES, Drs. MEYER and SALANT, and Messrs. BERG and WELKER

201-202—Laboratory course in quantitative physiological chemistry, with special reference to clinical methods. 6 hours. Dr. SALANT and Messrs. BERG and WELKER

203-204—Laboratory course in advanced physiological chemistry. Research. 12 hours. Professor GIES

Course in Toxicological Chemistry

205-206—Laboratory course in toxicological chemistry. 6 hours. Professor GIES and Dr. SALANT
[Not given in 1905-06.]

Course in Botanical Chemistry

207-208—Laboratory course in the chemical physiology of plants. 6 hours. Professor GIES. [The course may be taken in whole or in part at the New York Botanical Garden, where Professor GIES is consulting chemist.]

Biochemical Seminar

The members of the teaching staff and all other investigators in the department meet weekly to study and discuss recent researches in chemical biology. The Seminar is open to all students in the University. Entire year. 2 hours. Professor GIES in charge.

Research

The laboratory is open to advanced workers for research.

Library

The private library owned by Professor Gies is housed in the laboratory and is available at all times to all students in the University.

Equipment

The headquarters of the Department of Physiological Chemistry are situated at the College of Physicians and Surgeons, where six rooms are well equipped for experimental work in biological chemistry. Two of these rooms are relatively large and will each accommodate about seventy workers at a time. Four smaller rooms are specially fitted up for original investigations by advanced students.

A small laboratory in Schermerhorn Hall has been equipped for work in physiological chemistry. During the present year this laboratory will be used especially for research, to be carried out in co-operation with the Department of Zoölogy.

Special facilities have been provided at the New York Zoölogical Park for research there in biological chemistry under the direction of the head of this department.

The laboratories of the New York Botanical Garden are open to students of biological chemistry.

Physiology

JOHN GREEN CURTIS, M.D., LL.D.....	<i>Professor</i>
FREDERIC SCHILLER LEE, Ph.D.....	<i>Professor</i>
RUSSELL BURTON-OPITZ, S.M., Ph.D., M.D.....	<i>Adjunct Professor</i>
HAVEN EMERSON, A.M., M.D.....	<i>Demonstrator</i>
RICHARD HOOP CUNNINGHAM, M.D.....	<i>Instructor</i>
LEANDER HOWARD SHEARER, M.D.....	<i>Assistant Demonstrator</i>
ARTHUR WALKER BINGHAM, M.D.....	<i>Assistant Demonstrator</i>
HARRY MAYHAM KEATOR, M.D.....	<i>Assistant Demonstrator</i>

A more detailed statement of the work and equipment of this department may be found in the Announcements of the College of Physicians and Surgeons and of the Division of Biology.

Preliminary Statement

A knowledge of general biology, such as is offered in the Department of Zoölogy, Course 1-2, or of elementary physiology, such as Course 101-102 or its equivalent, or of the first year's work in medicine, is a prerequisite to the undertaking of work in physiology by a candidate for the degree of A.M. or of Ph.D.

Candidates for the degree of A.M. may take (a) Courses 103-104 and 105-106, or (b) in the first half-year, either Courses 108-109 and 107, or Course 107 with a sufficient amount of prescribed reading, and, in the second half-year, Physiological Chemistry, Course 102.

Candidates for the degree of Ph. D. are expected to take during their first year Courses 103-104 and 105-106, and during their second year, in the first half-year Course 107, with Course 108-109 or with a sufficient amount of prescribed reading, and in the second half-year Physiological Chemistry, Course 102.

Candidates for the degree of M.D. are required to take Course 108-109 during the second half of their first year and the first half of their second year.

None of the courses in this department is open to women.

Courses

101-102—Elementary physiology. Given with the co-operation of the Department of Physiological Chemistry. 1 hour lecture, and 2 hours laboratory work. 516s. Professors BURTON-OPITZ and GIES

103-104—General physiology. Lectures, 1 hour. Professor LEE

105-106—Laboratory course in general physiology. 5 hours. Professor BURTON-OPITZ

107—Laboratory course in special physiology. 3 hours. Professor CURTIS or Professor BURTON-OPITZ

108-109—The physiology of man as related to that of other mammals and of lower vertebrates. Lectures and demonstrations, 4 hours. Recitations, 1 hour. Laboratory work, 3 hours. Professors CURTIS and BURTON-OPITZ, Drs. EMERSON, SHEARER, BINGHAM, and KEATOR

111-112—Electro-physiology. Hours and work to be arranged with the Instructor, Dr. CUNNINGHAM

Research

The laboratory is open for research, under the direction of its officers, to advanced workers.

Equipment

The Department of Physiology possesses:

I—At the College of Physicians and Surgeons: (1) A laboratory for research and the preparing of demonstrations; (2) A small laboratory for histological research with special reference to physiological problems. (3) Two rooms for optical or psychological work or for photography. (4) Two private laboratories for professors of the department. (5) Two laboratories for practical instruction. (6) A room for recitations and for lectures and demonstrations to limited classes. (7) Easy access to a large lecture-room specially fitted for experimental teaching. (8) The Swift Physiological Cabinet, for the accommodation of a specially endowed and very full collection of apparatus of precision, mainly for research.

II—In Schermerhorn Hall: The use of a laboratory equipped for the instruction of undergraduates.

The physiological journals are accessible to the students of the department; also the most important monographs and other books, both modern and ancient.

A skilled mechanic is employed to devote his entire working time to

the care and improvement of the plant, including the making, altering, and repairing of special apparatus. He also assists in the scientific manipulations.

Political Economy and Finance

(See page 68.)

Political Philosophy

(See page 94.)

Practice of Medicine

WALTER B. JAMES, M.D., LL.D.....	<i>Bard Professor of the Practice of Medicine</i>
FRANCIS P. KINNICUTT, M.D.....	<i>Professor of Clinical Medicine</i>
JOHN SEYMOUR THACHER, M.D.....	<i>Professor of Clinical Medicine</i>
GEORGE ROE LOCKWOOD, M.D.....	<i>Instructor in Medical Diagnosis</i>
WILLIAM K. DRAPER, M.D.....	<i>Instructor in Medical Diagnosis</i>
VAN HORNE NORRIE, M.D.....	<i>Instructor in Physical Diagnosis</i>
FRANK W. JACKSON, M.D.....	<i>Instructor in Medical Diagnosis</i>
GEORGE MONTAGUE SWIFT, M.D.....	<i>Instructor in Medicine</i>
ALBERT E. SUMNER, M.D.....	<i>Chief of Clinic and Instructor in Physical Diagnosis</i>
ARTHUR M. SHRADY, M.D.....	<i>Instructor in Physical Diagnosis</i>
HENRY WOOLFE BERG, M.D.....	<i>Instructor in Infectious Diseases</i>
T. STUART HART, M.D.....	<i>Instructor in Physical Diagnosis</i>
JAMES A. MILLER, M.D.....	<i>Instructor in Physical Diagnosis</i>
NATHANIEL B. POTTER, M.D.....	<i>Instructor in Medicine</i>
FRED P. SOLLEY, M.D.....	<i>Instructor in Medicine</i>
DAVID BOVAIRD, Jr., M.D.....	<i>Tutor in Medicine</i>
EVAN M. EVANS, M.D.....	<i>Tutor in Medicine</i>
EDMUND L. DOW, M.D.....	<i>Clinical Assistant and Tutor in Medicine</i>

Clinical Assistants

CHARLES S. FISCHER, M.D.	LEANDER H. SHEARER, M.D.
D. S. D. JESSUP, M.D.	LINSLEY R. WILLIAMS, M.D.
LEWIS F. FRISSELL, M.D.	ISAAC M. WILZIN, M.D.
ROLFE FLOYD, M.D.	JAY WILLIAM DOUNCE, M.D.
AUSTEN F. RIGGS, M.D.	CLAUD A. FRINK, M.D.

MORRIS L. OGAN, M.D.

FRANCIS DELAFIELD, M.D., LL.D....	<i>Emeritus Professor of the Practice of Medicine</i>
A. BRAYTON BALL, M.D.....	<i>Emeritus Professor of Clinical Medicine</i>

Courses 65-66 and 67 are required in the second year, Courses 51-52, 53-54, 57-58, 63-64, and 69-70 in the third year, Courses 51-52,

53-54, 55-56, 59-60, 61-62, 69-70, 73-74 in the fourth year, of candidates for the degree of M.D.

Attendance at the hospital clinics (Course 71-72) is optional in the third and fourth year.

Courses

For the significance of course numbers see page 36

51-52—The practice of medicine. Didactic lectures. 1 hour a week throughout the academic year. Professor JAMES

53-54—Clinical lectures on general medicine at the Vanderbilt Clinic 1 hour throughout the academic year. Professor JAMES

55-56—Bedside instruction. In the wards of Roosevelt and Presbyterian Hospitals in sections. 6 hours a week for four weeks. Professor JAMES

57-58—Physical diagnosis. Practical instruction in the Vanderbilt Clinic, Roosevelt and Bellevue Hospitals. 24 lessons for each student. Drs. NORRIE, SHRADY, MILLER, and HART

59-60—Hospital general diagnosis. 20 lessons, 2 hours each, for each student, in the wards of Bellevue Hospital. Drs. JACKSON, LOCKWOOD, and DRAPER

61-62—Clinical instruction in the wards of St. Mary's Free Hospital for Children, to sections, for each student, twice a week for 8 weeks. Dr. SWIFT

63-64—Recitations in general medicine. In sections, 2 hours a week throughout the academic year. Drs. BOVAIRD and EVANS

65-66—Recitations in general medicine. In sections. 1 hour a week throughout the academic year. Dr. DOW

67—Lectures and demonstrations on physical diagnosis. 1 hour a week throughout half the academic year. Dr. SUMNER

69-70—Clinical lectures on general medicine—Roosevelt Hospital. Professor JAMES

M. at 4 P.M. throughout the academic year

71-72—Hospital clinics in general medicine.

Presbyterian Hospital. Professors KINNICUTT and THACHER

Tu. at 3.30 P.M. and Th. at 2.30 P.M.

Psychology

(See page 137.)

Public Law and Jurisprudence

(See page 103.)

Rhetoric and English Composition

(See page 80.)

Romance Languages and Literatures

ADOLPHE COHN, LL.B., A.M.....	Professor
HENRY ALFRED TODD, Ph.D.....	Professor of Romance Philology
CARLO LEONARDO SPERANZA, LL.B., A.M.....	Professor of Italian
BENJAMIN DURYEA WOODWARD, Ph.D.....	Professor
LOUIS AUGUSTE LOISEAUX, S.B.....	Adjunct Professor
DANIEL JORDAN, S.B., Pd.B.....	Instructor
HENRY BARGY, A.M.....	Instructor
JOHN DRISCOLL FITZ-GERALD, A.B.....	Tutor
RICHARD T. HOLBROOK, Ph.D.....	Tutor
HENRI FRANÇOIS MULLER, B, ès L.....	Tutor
CURTIS HIDDEN PAGE, Ph.D.....	Lecturer

The Department of the Romance Languages and Literatures has charge of the instruction in all the languages that sprang from the language of ancient Rome, and primarily of French, Italian, Spanish, and Provençal. Attention is also given to Portuguese and Rumanian. Instruction in Romance Philology forms an important part of the graduate work of the department.

Courses 201, 203, and 204, under French, are given by Professor BRANDER MATTHEWS of the Department of English.

Bracketed courses are not given in 1905-06.

For the significance of course numbers see page 36.

For full information as to the scope of each course in the department, the work pre-requisite to it, and the credit to be given toward the several degrees for it, see the Announcement of the Division of Modern Languages, which may be obtained, without charge, from the Secretary of the University.

Courses in French

* **A1**—Elementary course, first part. 3 hours. Columbia College, Mr. JORDAN. Barnard College, Professor WOODWARD and Mr. MULLER. † Teachers College, Dr. HOLBROOK.

* **A2**—Elementary course, second part. 3 hours. Given by the same instructors as **A1**

* **B1**—Grammar, reading, and composition. First course. 3 hours. Columbia College, Mr. JORDAN, Dr. HOLBROOK and Mr. FITZ-GERALD. Barnard College, Professor WOODWARD and Mr. MULLER. † Teachers College, Dr. HOLBROOK

* Starred courses are given in both Columbia College and Barnard College.

† In Teachers College.

* **B2**—Grammar, reading and composition. Second course. 3 hours. Given by the same instructors as **B1**.

* **1**—Introduction to the study of French literature, seventeenth century. 3 or 4 hours. Columbia College, Professor LOISEAUX and Mr. JORDAN. Barnard College, Professor WOODWARD, Mr. BARGY, and Mr. MULLER

* **2**—Introduction to the study of French literature, eighteenth and nineteenth centuries. 3 or 4 hours. Given by the same instructors as **1**.

* **3**—Historical French. Practice in reading, writing, and speaking French. First course. 3 hours. Columbia College, Mr. MULLER. Barnard College, Mr. JORDAN

* **4**—Historical French. Practice in reading, writing, and speaking French. Second course. 3 hours. Given by the same instructors as **3**

* **5**—History of French literature in the seventeenth century. First course. 3 hours. Columbia College, Mr. BARGY; Barnard College, Professor WOODWARD and Mr. BARGY

* **6**—History of French literature in the seventeenth century. Second course. 3 hours. Given by the same instructors as **5**.

7—French idioms historically studied. First course. 2 hours. Professor TODD

8—French idioms historically studied. Second course. 2 hours. Professor TODD

101—History of French literature in the eighteenth century, especially Voltaire. First course. 3 hours. Professor COHN

102—History of French literature in the eighteenth century, especially Voltaire. Second course. 3 hours. Professor COHN

[**103**—History of French literature in the eighteenth century, especially Montesquieu, Rousseau and the Encyclopedists. First course. 3 hours. Mr. BARGY]

[**104**—History of French literature in the eighteenth century, especially Montesquieu, Rousseau and the Encyclopedists. Second course. 3 hours. Mr. BARGY]

‡ **101**—History of French literature in the eighteenth century. First course. 3 hours. Mr. BARGY

‡ **102**—History of French literature in the eighteenth century. Second course. 3 hours. Mr. BARGY

* [**105**—History of the French literary movement in the first half of the nineteenth century. First course. 2 hours. Columbia College, Dr. PAGE; Barnard College, Mr. BARGY

* Starred courses are given in both Columbia College and Barnard College.

‡ Given only in Barnard College.

* [106—History of the French literary movement in the first half of the nineteenth century. Second course. 2 hours. Given by the same instructors as 105]

* 107—History of the French literary movement in the second half of the nineteenth century. First course. 2 hours. Columbia College, Dr. PAGE; Barnard College, Mr. BARGY

* 108—History of the French literary movement in the second half of the nineteenth century. Second course. 2 hours. Columbia College, Dr. PAGE; Barnard College, Mr. BARGY

[109—History of literary criticism in France. First course. 2 hours. Mr. BARGY]

[110—History of literary criticism in France. Second course. 2 hours. Mr. BARGY]

111—French literature of the sixteenth century. First course. 2 hours. Mr. BARGY

112—French literature of the sixteenth century. Second course. 2 hours. Mr. BARGY

113—Old French. Reading of selected extracts. 2 hours. Professor TODD

114—Old French. Reading of complete texts. 2 hours. Professor TODD

[201—The French dramatists of the nineteenth century. 2 hours. Professor BRANDER MATTHEWS]

203-204—Molière and modern comedy. 2 hours. Professor BRANDER MATTHEWS

205-206—Critical bibliography of French literature from the sixteenth to the nineteenth century. 2 hours. Professor COHN

[207-208—Methods of teaching French. 2 hours. Professor COHN]

Seminar—Special topics in Romance literature. Subject for 1905-6. The poetical works of Voltaire. 2 hours. Professor COHN

D—French conversation—Elementary course. 1 hour. Mr. MULLER

E—French conversation—Advanced course. 1 hour. Mr. BARGY

Courses in Italian

* 1—Elementary course—Grammar, reading and composition. First part. 3 hours. Columbia College, Dr. PAGE; Barnard College, Professor SPERANZA

* 2—Elementary course—Grammar, reading and composition. Second part. 3 hours. Given by the same instructors as 1

* 101—Italian literature of the fourteenth century, exclusive of the *Divina Commedia*. Composition. 3 hours. Professor SPERANZA

* Starred courses are given in both Columbia College and Barnard College.

* 102—Italian literature of the fifteenth century. Composition. 3 hours. Professor SPERANZA

*[103—Italian literature of the first half of the sixteenth century. Composition. 3 hours. Professor SPERANZA]

*[104—Italian literature of the second half of the sixteenth century and of the period of decadence down to the middle of the eighteenth century. Composition. 3 hours. Professor SPERANZA]

*[105—Italian literature of the second half of the eighteenth century. Composition. 3 hours. Professor SPERANZA]

*[106—Italian literature of the nineteenth century. Composition. 3 hours. Professor SPERANZA]

[107—Critical study of Dante's *Divina Commedia*. First course. 2 hours. Professor SPERANZA]

[108—Critical study of Dante's *Divina Commedia*. Second course. 2 hours. Professor SPERANZA]

109—Critical study of Dante's *Divina Commedia*. Third course. 2 hours. Professor SPERANZA

110—Critical study of Dante's *Divina Commedia*. Fourth course. Professor SPERANZA

Courses in Spanish

A—Spanish conversation. 1 hour. Professor LOISEAUX

* 1—Elementary course. First part. 3 hours. Professor LOISEAUX

* 2—Elementary course. Second part. 3 hours. Professor LOISEAUX

* 101—General introduction to Spanish literature. Composition. First course. 3 hours. Columbia College, Mr. FITZ-GERALD; Barnard College, Professor LOISEAUX

* 102—General introduction to Spanish literature. Second course. 3 hours. Columbia College, Mr. FITZ-GERALD; Barnard College, Professor LOISEAUX

103—The novela of the golden age. First course. 3 hours. Mr. FITZ-GERALD

104—The novela of the golden age. Second course. 3 hours. Mr. FITZ-GERALD

[105—The Spanish classical drama. First course. 3 hours. Mr. FITZ-GERALD]

[106—The Spanish classical drama. Second course. 3 hours. Mr. FITZ-GERALD]

201-202—History of Spanish literature. Lectures and private reading. 1 hour. Mr. FITZ-GERALD

Courses in Romance Philology

101—Introduction to Romance philology, especially phonology. 2 hours. Professor TODD

* Starred courses are given in both Columbia College and Barnard College.

102—Introduction to Romance philology, especially morphology. 2 hours. Professor TODD

201-202—The oldest monuments of the French language. 1 hour. Professor TODD

[203-204—Old French dialects. 1 hour. Professor TODD]

[205-206—Formative elements of Romance speech. 1 hour. Professor TODD]

207-208—French poetry of the fifteenth century. 1 hour. Dr. HOLBROOK

209-210—Breton lays and verse romances of the Arthurian cycle. Marie de France and Chrétien de Troyes. 1 hour. Dr. HOLBROOK

211-212—Old Provençal. 1 hour. Professor TODD

[213-214—The origins of Spanish poetry. 1 hour. Mr. FITZGERALD]

215-216—The oldest monuments of the Spanish language. 1 hour. Mr. FITZGERALD

[217-218—The origins of the Spanish novela. 1 hour. Mr. FITZGERALD]

219-220—The origins of the Spanish drama. 1 hour. Mr. FITZGERALD

[221-222—Early Italian literature. 1 hour. Dr. HOLBROOK]

223-224—Boccaccio: *The Decameron*. 1 hour. Dr. HOLBROOK

225-226—Portuguese. 2 hours. Professor TODD

227-228—Rumanian. 1 hour. Professor COHN

Seminar—Contributions to a dictionary of old-French locutions. 2 hours. Professor TODD

Public Lectures

Weekly lectures in French, and occasional lectures in Italian and Spanish, open to all members of the University, are given by the members of the department and by invited lecturers.

The Romance Club

The Romance Club consists of all the instructors and advanced students in the department. At its meetings, which take place on the 1st and 3d Tuesdays of every month, in Room 300, West Hall, an account is given of the most important articles on the Romance languages and literatures in the recent French, English, German, Italian, and Spanish periodicals; new books are discussed, letters from absent instructors and former students in the department are read, etc. The meetings are partly of a social character, and are intended to bring instructors and students into closer personal relations.

Equipment

The Library of Columbia University is well supplied with French, Spanish, and Italian works, as well as with works upon Romance philology. Its list of periodicals of interest for students in the department is especially rich. The Library has also complete sets of the most important series and collections, such as the *Altfranzösische Bibliothek*, *Romanische Bibliothek*, publications of the Modern Language Association, publications of the *Société des anciens Textes français*, *Histoire littéraire de la France*, *Ausgaben und Abhandlungen aus dem Gebiete der romanischen Philologie*, *Jahrbuch für romanische und englische Sprachen*, etc.

French Societies

Two societies have been organized for the purpose of fostering the use of the French language among the members of the University, viz. the *Société Française de l'Université Columbia*, which admits only men, and the *Société Française de Barnard Collège*, which admits only women. They give performances of French plays. The following plays have been presented in recent years: *Scribe and Legouvé, Bataille de Dames*; *Jules Moinaux, Les deux Sourds*; *Meilhac and Halévy, L'Été de la Saint-Martin*; *Tristan Bernard, L'Anglais tel qu'on le parle*; *Eugène Labiche, Les Vivacités du Capitaine Tic*; *Molière, Le Médecin malgré lui*, etc.

Social Economy

(See page 70.)

Sociology and Statistics

(See page 70.)

Surgery

JOSEPH A. BLAKE, M.D.....	Professor
GEORGE E. BREWER, M.D.....	Professor of Clinical Surgery
CHARLES MCBURNEY, M.D.....	Professor of Clinical Surgery
ROBERT F. WEIR, M.D.....	Professor of Clinical Surgery
FRANK HARTLEY, M.D.....	Professor of Clinical Surgery and Instructor in Operative Surgery
FRANCIS H. MARKOE, M.D.....	Professor of Clinical Surgery
ANDREW J. MCCOSH, M.D., LL.D.....	Clinical Lecturer
CHARLES T. POORE, M.D.....	Clinical Lecturer
ROBERT ABBE, M.D.....	Clinical Lecturer
WILLIAM B. COLEY, M.D.....	Clinical Lecturer
LUCIUS W. HOTCHKISS, M.D.....	Clinical Lecturer and Instructor
JOHN B. WALKER, M.D.....	Clinical Lecturer
BERN B. GALLAUDET, M.D.....	Instructor
CHARLES N. DOWD, M.D.....	Instructor

WALTON MARTIN, M.D.....	<i>Instructor</i>
EDWARD M. FOOTE, M.D.....	<i>Instructor</i>
CHARLES H. PECK, M.D.....	<i>Instructor</i>
WARREN S. BICKHAM, M.D....	<i>Assistant Instructor in Operative Surgery</i>
ALFRED S. TAYLOR, M.D....	<i>Assistant Instructor in Operative Surgery</i>
A. EMIL SCHMITT, M.D.....	<i>Assistant Instructor in Operative Surgery</i>
FORBES HAWKES, M.D.....	<i>Instructor</i>
CLARENCE A. MCWILLIAMS, M.D.....	<i>Instructor</i>
ADRIAN V. S. LAMBERT, M.D.....	<i>Instructor</i>
CARLETON P. FLINT, M.D.....	<i>Instructor</i>
EUGENE POOL, M.D.....	<i>Instructor</i>
JAMES C. AYER, M.D.....	<i>Assistant Instructor in Operative Surgery</i>
PERCY R. TURNURE, M.D.....	<i>Chief of Clinic and Instructor</i>
WILLIAM C. CLARKE, M.D.....	<i>Instructor</i>
J. W. DRAPER MAURY, M.D.....	<i>Instructor</i>
ROWLAND COX, Jr., M.D....	<i>Assistant Instructor in Operative Surgery</i>
JAMES H. KENYON, M.D....	<i>Assistant Instructor in Operative Surgery</i>

Clinical Assistants

ROWLAND COX, Jr., M.D.	WILLIAM DARRACH, M.D.
JAMES H. KENYON, M.D.	HENRY H. M. LYLE, M.D.
A. C. PRENTICE, M.D.	JAMES I. RUSSELL, M.D.
WALTER H. HOLDRIDGE, M.D.	W. D. HENNEN, M.D.

I. W. KINGSBURY, M.D.

WILLIAM T. BULL, M.D., *Emeritus Professor of Surgery*

Courses

Courses 53-54 and 67-68 are required, in both the third and fourth years, of candidates for the degree of M.D.; Courses 55 and 63-64 in the third year only, and Courses 51-52, 57 and 58 in the fourth year. Course 61-62 is required in the second year. Course 56 is optional in the fourth year. For Courses in Genito-Urinary Diseases see under Clinical Instruction, page 62.

Course 65-66 is optional in the third year.

For the significance of course numbers see page 36.

Attendance at the hospital clinics of Professors BLAKE, WEIR, and BREWER is required; at other clinics attendance is optional.

51-52—Surgical pathology, general and regional surgery—Didactic lectures. 2 hours. Professor BLAKE

53-54—Clinics in general surgery at the Vanderbilt Clinic. 2 hours, M. and Th. at 12. Professors BLAKE and BREWER

55—Minor surgery and bandaging—Practical instruction at the Vanderbilt Clinic, and the out-patient department, Roosevelt Hospital. 24 lessons for each student. Drs. TURNURE and FLINT

56—Operative surgery upon the cadaver—Practical instruction to sections. Each student performs for himself upon the cadaver the

principal operations, special attention being paid to operation upon the abdominal viscera. 7 to 12 lessons for each student. Professor HARTLEY, Drs. BICKHAM, TAYLOR, SCHMITT, and AYER

57—Practical instruction in surgery to classes of 20 members each in the wards of Bellevue Hospital, the Syms Operating Theatre, Roosevelt Hospital, the wards of the Presbyterian Hospital, and the wards of the City Hospital, 20 lessons. Professor BREWER, Drs. GALLAUDET, HOTCHKISS, FLINT, HAWKES, MCWILLIAMS, PECK, and FOOTE

58—Practical instruction in the surgery of children at St. Mary's Free Hospital for Children, to classes of 20 members, once a week for two months for each student. Dr. DOWD

60—Practical instruction in the mechanical treatment of hernia at the Hospital for the Ruptured and Crippled, to sections of the class, second half of fourth year. Dr. COLEY

61-62—Recitations in surgical pathology and general surgery. Two recitations per week to sections of the class. Dr. CLARKE

63-64—Recitations in general and regional surgery. Two recitations per week to sections of the class. Drs. POOL and LAMBERT

65-66—Practical instruction in surgical technique at the Laboratory for Surgical Research, to sections of the class. Dr. MAURY

67-68—HOSPITAL CLINICS:

Roosevelt Hospital—Th. at 11.00 A.M., Professor BLAKE; S. at 3.15 P.M., Professors WEIR and BREWER; Tu. at 4.15 P.M., for sections. Professor BREWER

New York Hospital—S. at 11.15 A.M., from Oct. to Feb., Professor MARKOE; and 11.15 A.M., from Feb. to May, Professor HARTLEY

St. Luke's Hospital—Th. or F. at 2.30 P.M. Professor MARKOE and Dr. ABBE

Presbyterian Hospital—Tu. at 3.30 P.M. throughout the academic year. Dr. McCOSH

Hospital for the Ruptured and Crippled—Tu. and F., 8.30-9.30 A.M. Professors GIBNEY and BULL and Dr. COLEY. Tu., Th., and S., 1-3 P.M. Dr. WHITMAN

St. Mary's Free Hospital for Children—Th., 10.30-11.30 A.M. Dr. POORE. F. at 2.30 P.M. Dr. DOWD

Zoölogy

EDMUND B. WILSON, Ph.D., LL.D.....	<i>Professor</i>
HENRY F. OSBORN, Sc.D., LL.D.....	<i>Da Costa Professor</i>
BASHFORD DEAN, Ph.D.....	<i>Professor of Vertebrate Zoölogy</i>
HENRY E. CRAMPTON, Ph.D....	<i>Professor of Zoölogy in Barnard College</i>
GARY N. CALKINS, Ph.D.....	<i>Professor of Invertebrate Zoölogy</i>
MAURICE A. BIGELOW, Ph.D....	<i>Adjunct Professor of Biology in Teachers College</i>
THOMAS H. MORGAN, Ph.D.....	<i>Professor of Experimental Zoölogy</i>

WILLIAM E. KELLICOTT, Ph.D.....	<i>Instructor in Barnard College</i>
JAMES H. MCGREGOR, Ph.D.....	<i>Lecturer in Vertebrate Zoology</i>
PAULINE H. DEDERER, A.B.....	<i>Lecturer in Barnard College</i>
MARGARET A. REED, A.B.....	<i>Lecturer in Barnard College</i>
WILLIAM K. GREGORY, A.M.....	<i>Assistant</i>

Detailed information regarding the purpose and scope of the courses, the equipment of the laboratories, and the requirements for the higher degrees, is given in the circular of information issued by the biological departments, for which application should be made to the Secretary of the University.

Of the following courses those that may be counted towards the bachelor's degree, with their value in points, are as follows: **1-2**, shorter course eight points, longer course twelve points; **101-102**, twelve points; **103, 104, 105**, two points each; **106**, three points; **107-108**, four points.

Courses **1-2** and **101-102** are given separately at Barnard College by Professor CRAMPTON and Dr. KELLICOTT; all other courses are open to women, excepting **16** and **17**.

For the significance of course numbers see page 36

Courses in Columbia College and under the Faculty of Pure Science

1-2—Elementary Biology, Zoology, histology, embryology, general principles of biology. 3 lectures, 6 hours laboratory work, or 2 lectures and 4 hours laboratory work. Professors CALKINS, DEAN, and MORGAN, and Dr. MCGREGOR

Pre-requisite, Science **A** or entrance chemistry or physics

101-102—General Zoology

[**101**—General zoology of invertebrates. 3 lectures and 6 hours laboratory work. Professor CALKINS]

[**102**—General zoology of vertebrates. 3 lectures and 6 hours laboratory work. Professor DEAN and Dr. MCGREGOR]

103—Embryology of vertebrates. 1 lecture and 2 hours laboratory work. Professor DEAN and Dr. MCGREGOR

104—Experimental biology. 3 hours (one afternoon) of lectures, conferences, and laboratory work. Open only to students who are taking at least one other laboratory course. Professor MORGAN

105—General biology. 3 hours (one afternoon) of lectures, conferences, and laboratory work. Open under the same condition as **104**. Under the direction of Professor WILSON

106—Cellular biology—General structure and functions of the cell. 6 hours (one day) a week through the second half-year. Professor WILSON

Open to graduates and to undergraduates who have had at least two years of study in zoology.

107-108—Practical histology. Forms a supplement to **101-102**, but may be taken separately, or with **103**. One class exercise and 2 hours laboratory work.

109—Microscopy of drinking waters—Lectures and laboratory work with selected reading. Professor CALKINS

151-152—See *Courses in Barnard College*.

201-202—Comparative zoölogy—Lectures, seminar, and laboratory work. Two days.

[201—Special topics in invertebrate zoölogy. Professors WILSON and CALKINS]

[202—Vertebrate zoölogy. Professor OSBORN and Dr. MCGREGOR. Either half may be taken separately.]

203—Cellular embryology. Professor WILSON

204—Mammals, living and fossil—Lecture and laboratory course. 6 hours (one day). Professor OSBORN.

The latter part of this course is given in the American Museum of Natural History.

205—Fishes, living and fossil—One lecture a week with two hours laboratory work during the first half-year. Professor DEAN

206—Special morphology: the protozoa. One lecture and 2 hours laboratory work. Professor CALKINS

207—Advanced biology—Individual study of special biological problems as an introduction to original investigation.

208—Comparative embryology. One day a week throughout the year. Professors DEAN and CALKINS

209—The protochordates. One day a week during the first half-year. Dr. MCGREGOR

210—The enterocoëla (exclusive of the protochordates). One lecture and five hours laboratory work (one day). Professor CRAMPTON

211—The statistical study of variation (given in coöperation with the Department of Anthropology)—Lectures, essays, discussions, and laboratory work. Two lectures (Professor BOAS) and two hours of laboratory work (Professors BOAS and CRAMPTON). See Anthropology 2 and 8.

212—The experimental study of evolution—With special reference to the statistical study of variation and inheritance. One lecture a week with readings and conferences. Professor CRAMPTON

213—The tropisms of animals. One lecture, with demonstrations and opportunities for laboratory work. Professor MORGAN

214—Sense organs of invertebrates—Lecture with demonstrations and selected reading throughout the second half-year. Professor CALKINS

215-216—Experimental zoölogy. 1 hour lecture with laboratory work on special problems. Professor MORGAN

217—Regeneration. One lecture during the first half-year. Professor MORGAN

218—Experimental embryology. This course is parallel to **203**
1 hour. Professor MORGAN

JOURNAL CLUB—Reports and discussions of recent literature by members of the staff, graduate students, and others. 1 hour a week throughout the year. Under direction of the staff.

SEMINAR—Critical discussion of selected topics by members of the staff and graduate students. Subject and time are specially arranged.

UNIVERSITY BIOLOGICAL LECTURES—A course of lectures on general topics, given, as a rule, each year, by members of the staff and eminent specialists from other institutions. These lectures form the basis of the Columbia Biological Series, edited by Professors OSBORN and WILSON

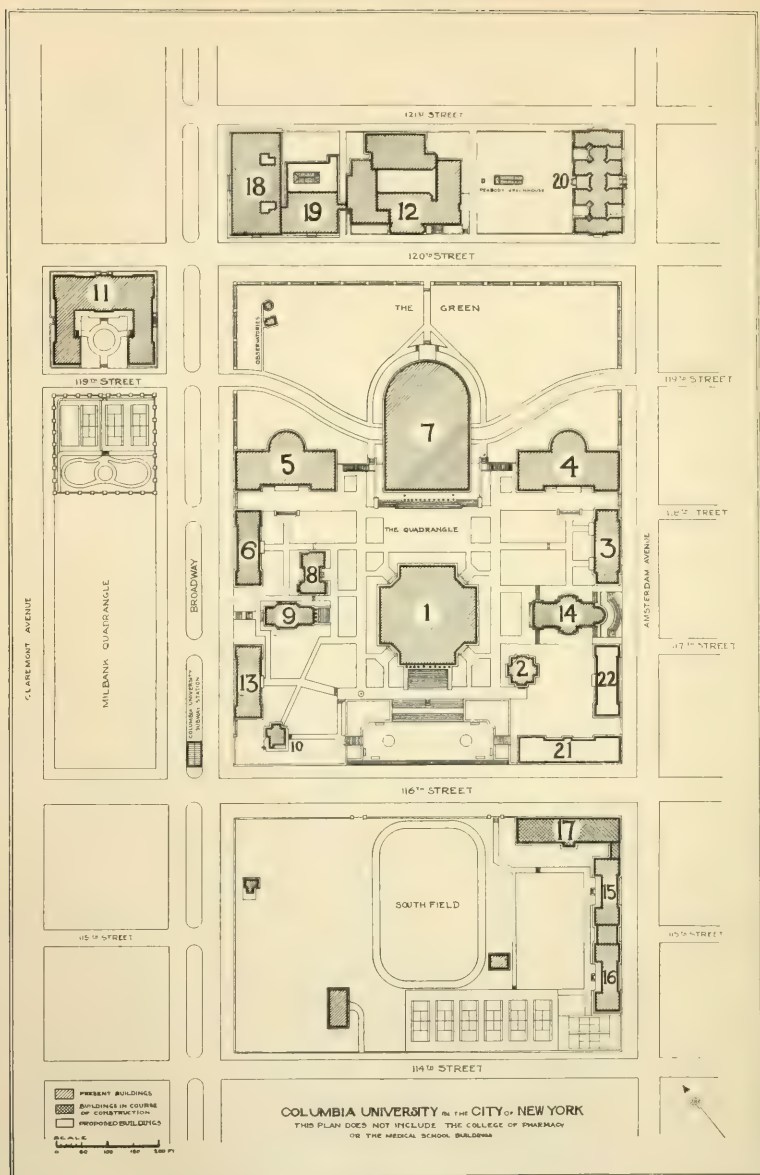
Laboratories, Libraries, and Equipment

The zoölogical laboratories on the upper floor of Schermerhorn comprise a large general undergraduate laboratory, three graduate laboratories, and eight rooms for private research, besides special rooms for supplies, aquaria, and preparation. There are also a commodious lecture-room, a library, and a seminar room. The laboratories are well equipped with optical instruments, microtomes, and other apparatus for advanced work. The teaching collections include a series of the Mediterranean and American marine types, the injected vertebrate series of Fric and Muller, a set of standard and specially prepared charts and wax models, and a variety of living animals and plants contained in fresh-water and marine aquaria.

The departmental library, a part of the University Library kept in the laboratory, the gift of Charles H. Senff, Esq., is a memorial to the late Dr. John I. Northrop. It embraces sets of the standard biological works and includes the journals and a rapidly increasing collection of special monographs. A fund is available for the purchase of literature needed in connection with the special researches of students. Forty-three of the current biological journals are subscribed for.

Important adjuncts to zoölogical work are offered by the American Museum of Natural History, the Bronx Zoölogical Garden, the New York Aquarium, and by the marine biological laboratories at Wood's Hole, Mass., and Cold Spring Harbor, L.I. The University has hitherto subscribed to one half of the university table at the Naples Zoölogical Station. An investigator's table is held at the Wood's Hole laboratory, and the John D. Jones scholarship is available at the Cold Spring Harbor laboratory.

DYCKMAN FUND—The interest of a fund of \$10,000, established by the late Isaac M. Dyckman, Esq., is available annually for the encouragement of biological research, and may be used for special grants to advanced students, investigators, or lecturers, or for purchases of books and apparatus.



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|----------------|---------------------|------------------------|-------------------------|
| 1 Library | 7 University | 13 Mines | 19 Physical Education |
| 2 East | 8 West | 14 St. Paul's Chapel | 20 Women's Dormitory |
| 3 Fayerweather | 9 Earl | 15 Hartley | 21 Kent Hall |
| 4 Schermerhorn | 10 South | 16 Livingston | 22 School of Journalism |
| 5 Havemeyer | 11 Barnard College | 17 Hamilton | |
| 6 Engineering | 12 Teachers College | 18 Horace Mann Schools | |

ENTRANCE EXAMINATIONS

Committee

Professor CLARENCE H. YOUNG, *Chairman*
Professor FRANK N. COLE
Professor WILLIAM A. HERVEY
Professor SAMUEL W. LAMBERT
Professor NELSON G. MCCREA
Professor EDMUND H. MILLER
Professor HENRY H. RUSBY
Professor JULIUS SACHS
Professor FRANK D. SHERMAN
Professor DAVID E. SMITH

GENERAL STATEMENT

There are no examinations for admission to the Schools of Law, Political Science, Philosophy, Pure Science, and Architecture (Course leading to degree of Bachelor of Science), or to the graduate courses under the Faculty of Teachers College. For the requirements for admission to these departments, see the separate announcements of the Schools and Faculties concerned.

Examinations for admission to Columbia College, Barnard College, Teachers College (Collegiate Course), the College of Physicians and Surgeons, the College of Pharmacy (University Course), the Schools of Applied Science and the School of Architecture (course leading to certificate in architecture) are held each year in January, June, and September. In 1906 they will be held January 22-27, June 18-23, and September 17-22.

In June the examinations are those of the College Entrance Examination Board, of which Columbia University is a member. The University accepts the numerical ratings of the Board, but fixes a uniform passing mark for the several colleges and schools.

In January and September the examinations will be held only at the University. The College Entrance Examination Board *at present* holds examinations only in June.

While all persons taking the January examinations will receive due credit for the results of the examinations, students may be admitted at the beginning of the second half-year only to Columbia College and Barnard College.

All correspondence with the College Entrance Examination Board, all requests for its publications, etc., should be addressed to its Secretary, Post-Office Sub-Station 84, New York, N. Y.

All correspondence with the University should be addressed to the Secretary of the University.

APPLICATION FOR EXAMINATION

Every candidate for examination is required to file an application.

For the examinations in June, 1906, the application must be filed with the Secretary of the College Entrance Examination Board. Applications for examination in the United States east of the Mississippi River (also at Minneapolis, St. Louis, and other points on the Mississippi River) must be filed on or before June 4th. Applications for examination elsewhere in the United States or in Canada must be filed on or before May 28th. Applications for examination outside of the United States and Canada must be filed on or before May 14th. Requests for blank forms of application should be addressed to the Secretary of the Board.

For the examinations in January and September, 1906, candidates should send their applications by mail to the Registrar of Columbia University. Applications must be filed on or before January 15th and September 10th. Requests for blank forms of application should be addressed to the Secretary of Columbia University.

EXAMINATION FEE

Every application for examination in June must be accompanied by a fee of \$5 for all candidates examined at points in the United States and Canada, and \$15 for all candidates examined at points outside of the United States and Canada.

Every application for examination in January or September must be accompanied either by a fee of \$5, by a receipt from the Bursar for an examination fee previously paid, or by the receipt issued by the Secretary of the College Entrance Examination Board for the June examinations immediately preceding. *The latter will be accepted in either September or January, but not in both; and a single fee paid to the University will cover only two consecutive series of examinations, namely, January and September or September and January.*

If a late application is accepted either by the College Entrance Examination Board, or by the University, a second fee of \$5 must be paid.

In every case a candidate who has paid the examination fee will be furnished with a receipt. This receipt should be carefully preserved. It must be presented by the candidate to the Supervisor in charge of the examinations which he attends as evidence that he is entitled to be admitted to the same. No candidate will be admitted to the January or September examinations upon the receipt of the College Entrance Examination Board, unless that receipt bears the certification of the Registrar of Columbia University that the candidate's application has been filed.

DIVISION OF EXAMINATION

A candidate may present himself at any of the scheduled series of examinations subject to the following restrictions:

- (1) He may not present himself at more than three series of examinations except by special consent of the Committee on Admissions of the School which he purposes to enter.

- (2) At the *first* of the *three* series he may offer only such subjects, or lettered (or numbered) parts of a subject, as are approved by his principal instructor.
- (3) The results of an examination shall stand to his credit for twenty months, but no longer.

PLACES OF EXAMINATION

In June, 1906, entrance examinations will be held at a large number of widely distributed points, a list of which will be published by the College Entrance Examination Board about March 1st. Requests that the examinations be held at particular points, to receive proper consideration, should be transmitted to the Secretary of the College Entrance Examination Board not later than February 1st.

In January and September, 1906, examinations for admission to Columbia University will be held only at the University.

EXAMINATION SUBJECTS

Columbia University recognizes the following examination subjects, which may be offered for admission to one or more of the colleges and schools included in the University, each subject counting for a specific number of points as indicated below:

English.....	3	Music ¹	1
Elementary French.....	2	Physiography.....	1
“ German.....	2	Shopwork ¹	1
“ Greek.....	3	Zoölogy ¹	1
“ History.....	2	Intermediate French.....	1
“ Latin.....	4	“ German.....	1
“ Mathematics.....	3	Advanced Greek ¹	1
“ Physics.....	1	“ History ¹	1
“ Spanish.....	2	“ Latin ¹	1
Botany.....	1	“ Mathematics.....	1
Chemistry.....	1	“ Physics ¹	1
Drawing.....	1		

The combinations of subjects for admission to the several colleges and schools are indicated in the pages devoted to each college or school, under the heading Admission.

SCHEDULE OF EXAMINATIONS

The examinations at Columbia University will be held as follows:

For men, in Earl Hall in January, and in the Gymnasium in June and September;

For women, in Barnard College in January, June, and September.

Candidates taking these examinations must report to the Supervisor, in the examination room, fifteen minutes in advance of the first examination which they are to attend.

SUBMISSION OF NOTE-BOOKS, DRAWINGS, ETC.

In every case the work submitted must be duly certified by the teacher as the candidate's own work. Where note-books are presented, the endorsement should be written in ink on the inside cover.

¹ Candidates will be examined in this subject only in January and September.

In the case of Physics and Chemistry note-books the endorsement should be in the following form:

I certify that this note-book is a true and original record of experiments actually performed by.....
in the.....laboratory of.....School
during the year 19....

Instructor in.....

The note-books required in Botany, Chemistry, Physics and Physiography must be submitted at the time of examination. Candidates desiring the return of these note-books should apply for them after the examinations in June to the Secretary of the College Entrance Examination Board; after the examinations in January and September to the Secretary of the University.

Drawings and English exercise books, submitted in lieu of examination, or advanced History note-books, should be sent to the Secretary of the University at least two weeks before the examinations begin. Within ten days the candidate will be informed whether or not the work submitted has been accepted. Drawings and History note-books will be returned to their owners upon application at the office of the Secretary of the University. English exercise books will *not* be returned to the writers.

DEFINITIONS OF REQUIREMENTS ¹

(Specimens of the question papers set by Columbia University may be obtained from the Registrar upon application. The question papers set by the College Entrance Examination Board are published annually in book form by Ginn & Company, Boston, Mass.

For a more detailed statement of the requirements in Botany and Physiography the reader is referred to the pamphlet containing definitions of the requirements in each subject which is published by the College Entrance Examination Board. This pamphlet also contains lists of suitable laboratory experiments in Chemistry and Physics.)

BOTANY (counting one point)

The candidate should have received training by means of the laboratory method in:

The structure and the more obvious features of the life history of at least ten types among the higher seed plants chosen from the more representative families (*e. g.*, Gramineæ, Liliaceæ, Salicaceæ, Ranunculaceæ, Rosaceæ, Leguminosæ, Cruciferae, Solanaceæ, Labiatae, Compositæ). In addition to these, the following types are recommended among the remaining lower groups of plants: pine, *Selaginella*; a fern, a moss (*Polytrichum* or *Funaria*); a leafy hepatic, *Marchantia*; a mildew (*Microsphaera*); an agaric, *Vaucheria*, *Spirogyra*; and a protophyte (preferably *Sphaerella*).

¹ The several subjects are stated in terms of units; the unit is a course of five periods weekly throughout an academic year of the preparatory school; the subjects are assigned units in accordance with the time required to prepare adequately upon them for college entrance.

Physiology. This work should cover the essential facts concerning irritability, photosynthesis, respiration, digestion, growth, and reproduction.

Ecology. The natural history of plants should receive considerable attention, and the behavior of plants toward environmental factors (especially light and moisture), dissemination, cross and close pollination, and the more important structural and physiological characteristics of plant formations (hydrophytes, halophytes, mesophytes, and xerophytes) should be included.

As evidence of proper laboratory training and of satisfactory work, a note-book must be submitted. (See Submission of Note-books, page 165.)

CHEMISTRY (counting one point)

The candidate's preparation in Chemistry should include:

- a. The study of a standard text-book, to the end that the pupil may gain a comprehensive and connected view of the most important facts and laws of elementary chemistry.
- b. Instruction by lecture-table demonstrations, to be used mainly as a basis for questioning upon the general principles involved in the pupil's laboratory investigations.
- c. Individual laboratory work, comprising at least forty exercises.

An indexed note-book of the experiments must be submitted. (See Submission of Note-books, page 165.)

The following outline includes only the indispensable things which must be studied in the class-room and laboratory. The material is, for the most part, common to all elementary text-books and laboratory manuals. The order of presentation will naturally be determined by each teacher for himself.

OUTLINE.—The chief physical and chemical characteristics, the preparation and the recognition of the following elements together with their principal compounds: *oxygen, hydrogen, carbon, nitrogen, chlorine, bromine, iodine, fluorine, sulphur*, phosphorus, silicon, potassium, *sodium*, calcium, magnesium, *zinc*, copper, mercury, silver, aluminum, *lead*, tin, *iron*, manganese, chromium.

More detailed study should be confined to the italicized *elements* (as such) and to a restricted list of compounds such as water, hydrochloric acid, carbon-monoxide, carbon-dioxide, oxides of nitrogen, nitric acid, ammonia, sulphur-dioxide, sulphuric acid, hydrogen-sulphide, sodium-hydroxide, ammonium-hydroxide.

Attention should be given to the atmosphere (constitution and relation to animal and vegetable life), flames, acids, bases, salts, oxidation and reduction, crystallization, combining proportions by weight and volume, calculations founded on these and Boyle's and Charles's laws, symbols and nomenclature, atomic theory, atomic weights, valency (in a very elementary way), nascent state, natural grouping of the elements, solution (solvents and solubility of gases and

solids and liquids, saturation), strength of acids and bases, conservation and dissipation of energy, chemical energy, electrolysis. Chemical terms should be clearly understood, and the pupil should be able to illustrate and apply the ideas they embody. The theoretical topics are not intended to form separate subjects of study, but to be taught only so far as is necessary for the correlation and explanation of the experimental facts.

DRAWING (counting one point)

A candidate must be able to draw and sketch correctly, and with proper shading and accuracy of proportion, a simple geometrical figure, a group of geometrical solids, or a simple piece of machinery, showing a fair knowledge of the rules of perspective and light and shade as applied in freehand sketching. A candidate must also be able to reproduce from a flat copy with enlargement or reduction in size. For candidates for the School of Architecture, the object to be copied will usually be an ornament—an anthemion or acanthus leaf—or a design of iron scrollwork; for the other Schools of Applied Science, the subject will be chosen from machinery details or geometrical constructions.

A candidate who has had a fair amount of training in drawing and wishes to be excused from a formal examination in this subject may submit drawings, especially systematic sets of drawings, executed at school. (See Submission of Note-books, page 165.)

Beginning in June, 1907, the examination in Drawing will be based upon the following requirements:

DRAWING (counting one point)

The candidate's preparation in Drawing should include simple geometrical, plane, and solid figures, simple pieces of machinery, the drawing of simple pieces of architectural ornament (a Greek anthemion, a design of iron scrollwork, etc.), the copying of machinery details, or the copying of still life and simple plant forms, with a fair knowledge of perspective and light and shade as applied in freehand sketching. The candidate should be able to reproduce from a flat copy with enlargement or reduction of size.

Every candidate must present at the time of and as part of the examination in drawing a set of drawings executed during one year's course in a preparatory school and within a period of two years before the time of application for admission.

These drawings should be at least twenty in number and should display the proficiency of the student in the following points:

1. Ability to sketch freehand from dictation with reasonable accuracy and with fairly correct steady and clean lines any simple geometrical figure or combinations of figures, straight lines, squares and circles, polygons, spirals, or the like.
2. Ability to sketch from the object with reasonable correctness of proportion, structure, and form, geometrical models, simple vases,

simple details of machinery or common objects such as ordinary household furniture and utensils.

3. Ability to sketch from the copy, enlarging or reducing its dimensions, any simple object such as a globe valve, stop-cock, or any ordinary historical ornament such as an acanthus leaf, egg and dart ornament, anthemion, tile pattern, iron scrollwork, or the like.

Correctness of proportion and accuracy in the angles and curves and structural relations of the parts of every figure or object drawn are of the highest importance, and great care should be taken in laying out the drawings in the use of construction lines and in the drawing of general masses and contour before the details are begun.

A certain proportion of shade drawing from casts may be included, but they are not required and should not form the majority of the drawings submitted.

These drawings must be properly certified by the teacher, and the endorsement must be in effect as follows:

I certify that the accompanying drawings were actually executed by under systematic instruction during the year 190-, in

Instructor in Drawing.

In case the candidate has not attended a systematic course of instruction as detailed above he may submit a corresponding set of free-hand drawings, duly certified by his instructor, or with his own signed declaration that the drawings are his own work.

ENGLISH (counting three points)

No applicant will be accepted in English whose work is notably defective in point of spelling, grammar, idiom, punctuation, or division into paragraphs.

- a. Reading and Practice.—The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before him in the examination paper. The treatment of these topics is designed to show the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. In every case knowledge of the book will be regarded as less important than the ability to write good English. In place of a part or the whole of this test, the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading of the books, and prepared in accordance with a list of directions, to be obtained by addressing the Secretary of the University. (See Submission of Note-books, page 165.) In preparation for this part of the requirement, it is important that the candidate shall have been instructed in the fundamental principles of rhetoric.

Candidates intending to take this part of the examination should read the books prescribed for the year in which they propose to submit themselves for examination in this subject.

In 1906, 1907, and 1908 the books prescribed for this part of the examination are as follows:

Shakspeare's *Merchant of Venice* and *Macbeth*; The Sir Roger de Coverley Papers in the *Spectator*; Irving's *Life of Goldsmith*; Coleridge's *Ancient Mariner*; Scott's *Ivanhoe* and *The Lady of the Lake*; Tennyson's *Gareth and Lynette*, *Launcelot and Elaine*, and *The Passing of Arthur*; Lowell's *Vision of Sir Launfal*; George Eliot's *Silas Marner*.

In 1909, 1910, and 1911 ten books, selected from the following list as prescribed below, are to be offered for examination:

Group I (two to be selected). Shakspeare's *As You Like It*, *Henry V*, *Julius Cæsar*, *The Merchant of Venice*, *Twelfth Night*.

Group II (one to be selected). Bacon's *Essays*; Bunyan's *The Pilgrim's Progress*, Part I; The Sir Roger de Coverley Papers in the *Spectator*; Franklin's *Autobiography*.

Group III (one to be selected). Chaucer's *Prologue*; Spenser's *Faerie Queene* (selections); Pope's *The Rape of the Lock*; Goldsmith's *The Deserted Village*; Palgrave's *Golden Treasury* (First Series), Books II and III, with especial attention to Dryden, Collins, Gray, Cowper and Burns.

Group IV (two to be selected). Goldsmith's *The Vicar of Wakefield*; Scott's *Ivanhoe*; Scott's *Quentin Durward*; Hawthorne's *The House of the Seven Gables*; Thackeray's *Henry Esmond*; Mrs. Gaskell's *Cranford*; Dickens's *A Tale of Two Cities*; George Eliot's *Silas Marner*; Blackmore's *Lorna Doone*.

Group V (two to be selected). Irving's *Sketch-Book*; Lamb's *Essays of Elia*; De Quincey's *Joan of Arc* and *The English Mail Coach*; Carlyle's *Heroes and Hero Worship*; Emerson's *Essays* (Selected); Ruskin's *Sesame and Lilies*.

Group VI (two to be selected). Coleridge's *The Ancient Mariner*; Scott's *The Lady of the Lake*; Byron's *Mazeppa* and *The Prisoner of Chillon*; Palgrave's *Golden Treasury* (First Series), Book IV, with especial attention to Wordsworth, Keats, and Shelley; Macaulay's *Lays of Ancient Rome*; Poe's *Poems*; Lowell's *The Vision of Sir Launfal*; Arnold's *Sohrab and Rustum*; Longfellow's *The Courtship of Miles Standish*; Tennyson's *Gareth and Lynette*, *Launcelot and Elaine*, and *The Passing of Arthur*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Evelyn Hope*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *The Boy and the Angel*, *One Word More*, *Hervé Riel*, *Pheidippides*.

- b. Study and Practice.—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon subject-matter, form, and structure.

In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

In connection with the reading and study of the required books, parallel or subsidiary reading should be encouraged, and a considerable amount of English poetry should be committed to memory. The essentials of English grammar should not be neglected in preparatory study.

The books prescribed for this part of the examination are as follows:

In 1906, 1907, and 1908: Shakspeare's *Julius Cæsar*; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso*; Burke's *Speech on Conciliation with America*; Macaulay's *Essay on Addison and Life of Johnson*.

In 1909, 1910, and 1911: Shakspeare's *Macbeth*; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso*; Burke's *Speech on Conciliation with America*, or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson*, or Carlyle's *Essay on Burns*.

FRENCH

a. Elementary (counting two points)

THE AIM OF THE INSTRUCTION.—At the end of the elementary course the pupil should be able to pronounce French accurately, to read at sight easy French prose, to put into French simple English sentences taken from the language of everyday life, or based upon a portion of the French text read, and to answer questions on the rudiments of the grammar, as defined below.

THE WORK TO BE DONE.—During the first year the work should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plural of nouns, the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence, and the elementary rules of syntax; (3) abundant easy exercises, designed not only to fix in the memory the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (4) the reading of from 100 to 175 duodecimo pages of graduated texts, with constant practice in translating into French easy variations of the sentences read (the teacher giving the English), and in reproducing from memory sentences previously read; (5), writing French from dictation.

During the second year the work should comprise: (1) the reading of from 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; (2) constant practice,

as in the previous year, in translating into French easy variations upon the texts read; (3) frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; (4) writing French from dictation; (5) continued drill upon the rudiments of grammar, with constant application in the construction of sentences; (6) mastery of the forms and use of pronouns, pronominal adjectives, of all but the rare irregular verb forms, and of the simpler uses of the conditional and subjunctive.

Suitable texts for the second year are: About's *Le roi des montagnes*, Bruno's *Le tour de la France*, Daudet's easier short tales, La Bédoulière's *La Mère Michel et son chat*, Erckmann-Chatrian's stories, Foa's *Contes biographiques* and *Le petit Robinson de Paris*, Foncin's *Le pays de France*, Labiche and Martin's *La poudre aux yeux* and *Le voyage de M. Perrichon*, Legouvé and Labiche's *La cigale chez les fourmis*, Malbot's *Sans famille*, Mairét's *La tâche du petit Pierre*, Mérimée's *Colomba*, extracts from Michelet, Sarcey's *Le siège de Paris*, Verne's stories.

b. Intermediate (counting one point)

THE AIM OF THE INSTRUCTION.—At the end of the intermediate course the pupil should be able to read at sight ordinary French prose or simple poetry, to translate into French a connected passage of English based on the text read, and to answer questions involving a more thorough knowledge of syntax than is expected in the elementary course.

THE WORK TO BE DONE.—This should comprise the reading of from 400 to 600 pages of French of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving French paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation.

Suitable texts are: About's stories, Augier and Sandeau's *Le gendre de M. Poirier*, Béranger's poems, Corneille's *Le Cid* and *Horace*, Coppée's poems, Daudet's *La Belle-Nivernaise*, La Brète's *Mon oncle et mon curé*, Madame de Sévigné's letters, Hugo's *Hernani* and *La chute*, Labiche's plays, Loti's *Pêcheur d'Islande*, Mignet's historical writings, Molière's *L'avare* and *Le bourgeois gentilhomme*, Racine's *Athalie*, *Andromaque*, and *Esther*, George Sand's plays and stories, Sandeau's *Mademoiselle de la Seiglière*, Scribe's plays, Thierry's *Récits des temps mérovingiens*, Thiers's *L'expédition de Bonaparte en Egypte*, Vigny's *La canne de jonc*, Voltaire's historical writings.

GERMAN

a. Elementary (counting two points)

THE AIM OF THE INSTRUCTION.—At the end of the elementary course in German the pupil should be able to read at sight, and to translate, if

called upon, by way of proving his ability to read, a passage of very easy dialogue or narrative prose, help being given upon unusual words and constructions, to put into German short English sentences taken from the language of everyday life or based upon the text given for translation, and to answer questions upon the rudiments of grammar, as defined below.

THE WORK TO BE DONE.—During the first year the work should comprise: (1) careful drill upon pronunciation; (2) the memorizing and frequent repetition of easy colloquial sentences; (3) drill upon the rudiments of grammar—that is, upon the inflection of the articles, of such nouns as belong to the language of everyday life, of adjectives, pronouns, weak verbs, and the more usual strong verbs; also upon the use of the more common prepositions, the simpler uses of the modal auxiliaries, and the elementary rules of syntax and word-order; (4) abundant easy exercises designed not only to fix in mind the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (5) the reading of from 75 to 100 pages of graduated texts from a reader, with constant practice in translating into German easy variations upon sentences selected from the reading lesson (the teacher giving the English), and in the reproduction from memory of sentences previously read.

During the second year the work should comprise: (1) the reading of from 150 to 200 pages of literature in the form of easy stories and plays; (2) accompanying practice, as before, in the translation into German of easy variations upon the matter read, and also in the off-hand reproduction, sometimes orally and sometimes in writing, of the substance of short and easy selected passages; (3) continued drill upon the rudiments of the grammar, directed to the ends of enabling the pupil, first, to use his knowledge with facility in the formation of sentences, and, secondly, to state his knowledge correctly in the technical language of grammar.

Stories suitable for the elementary course can be selected from the following list: Andersen's *Märchen* and *Bilderbuch ohne Bilder*; Arnold's *Fritz auf Ferien*; Baumbach's *Die Nonna* and *Der Schwiegersohn*; Gerstäcker's *Germelshausen*; Heyse's *L'Arrabbiata*, *Das Mädchen von Treppi*, and *Anfang und Ende*; Hillern's *Höher als die Kirche*; Jensen's *Die braune Erica*; Leander's *Träumereien* and *Kleine Geschichten*; Seidel's *Märchen*; Stökl's *Unter dem Christbaum*; Storm's *Immensee* and *Geschichten aus der Tonne*; Zschokke's *Der zerbrochene Krug*.

Among the shorter plays the best available are perhaps Benedix's *Der Prozess*, *Der Weiberfeind*, and *Günstige Vorzeichen*; Elz's *Er ist nicht eifersüchtig*; Wichert's *An der Majorsecke*; Wilhelm's *Einer muss heiraten*. It is recommended, however, that not more than one of these plays be read. The narrative style should predominate. A good selection of reading matter for the second year would be Andersen's *Märchen*, or *Bilderbuch*, or Leander's *Träumereien*, to the extent of, say, forty pages. After that such a story as *Das kalte Herz*, or *Der*

zerbrochene Krug; then *Höher als die Kirche*, or *Immensee*; next a good story by Heyse, Baumbach, or Seidel; lastly, *Der Prozess*.

b. Intermediate (counting one point)

THE AIM OF THE INSTRUCTION.—At the end of the intermediate course the pupil should be able to read at sight German prose of ordinary difficulty, whether recent or classical; to put into German a connected passage of simple English, paraphrased from a given text in German; to answer any grammatical questions relating to usual forms and essential principles of the language, including syntax and word-formation; and to translate and explain (so far as explanation may be necessary) a passage of classical literature taken from some text previously studied.

THE WORK TO BE DONE.—The work should comprise, in addition to the elementary course, the reading of about 400 pages of moderately difficult prose and poetry, with constant practice in giving, sometimes orally and sometimes in writing, paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; also grammatical drill upon the less usual strong verbs, the use of articles, cases, auxiliaries of all kinds, tenses, and modes (with special reference to the infinitive and subjunctive), and likewise upon word-order and word-formation.

The intermediate course is supposed to be the elementary course plus one year's work at the rate of not less than four recitations a week. Suitable reading matter for the third year can be selected from such works as the following: Ebner-Eschenbach's *Die Freiherren von Gemperlein*; Freytag's *Die Journalisten* and *Bilder aus der deutschen Vergangenheit*—for example, *Karl der Grosse*, *Aus den Kreuzzügen*, *Doktor Luther*, *Aus dem Staat Friedrichs des Grossen*; Fouqué's *Undine*; Gerstäcker's *Irrefahrten*; Goethe's *Hermann und Dorothea* and *Iphigenie*; Heine's poems and *Reisebilder*; Hoffmann's *Historische Erzählungen*; Lessing's *Minna von Barnhelm*; Meyer's *Gustav Adolfs Page*; Moser's *Der Bibliothekar*; Riehl's *Novellen*—for example, *Burg Neideck*, *Der Fluch der Schönheit*, *Der stumme Ratsherr*, *Das Spielmannskind*; Rosegger's *Waldheimat*; Schiller's *Der Nefze als Onkel*, *Der Gertseher*, *Wilhelm Tell*, *Die Jungfrau von Orleans*, *Das Lied von der Glocke*, *Balladen*; Scheffel's *Der Trompeter von Säckingen*; Uhland's poems; Wildenbruch's *Das edle Blut*

GREEK

Elementary (counting three points)

a. i. Greek Grammar.

The common forms, idioms, and constructions, and the general grammatical principles of Attic Greek prose.

ii. Greek Composition.

Translation into Greek of detached sentences to test the candidate's knowledge of grammatical constructions.

The examination in the two subjects immediately preceding will be based on the first two books of Xenophon's *Anabasis*.

Beginning in June, 1907, Greek a. i. and ii. will be considered as a single, indivisible subject.

b. Xenophon.

The first four books of the *Anabasis*.

c. Homer.

The first three books of the *Iliad* (omitting II, 494-end) and the constructions, poetical forms, and prosody of Homer's *Iliad*.

f. Advanced Greek Composition.

Translation into Greek of continuous prose based on Xenophon and other Attic prose of similar difficulty.

g. Sight Translation.

Translation into English at sight, based on prose of no greater difficulty than Xenophon's *Anabasis*.

Advanced (counting one point)

Candidates offering Greek as an advanced subject must present the equivalent of the course known as Greek 3-4 (see courses announced by the Division of Classical Philology). In Homer, for which no equivalent will ordinarily be accepted, the minimum requirement will be 1600 lines in addition to the amount offered for the elementary examination. The candidate must also offer the eight orations of Lysias in Morgan's edition, or an equivalent amount of similar Greek, and in prose composition at least twenty exercises in the writing of connected narrative prose. The exercises in Part III of Allinson's *Greek Prose Composition* will show the grade of preparation demanded. Candidates applying for examination in this subject must designate the equivalents, if any, which they wish to offer.

HISTORY

Elementary (counting two points)

Candidates offering history as an elementary subject may present themselves for examination upon either of the following groups. They will not be permitted to offer both of these groups as elementary subjects.

First Group:

- a. Ancient history, including a brief introductory study of the Oriental peoples and early mediæval history to the death of Charlemagne, with due reference to art, literature, and government.
- b. Mediæval and modern history, with due reference to the growth of the state-system.

Second Group:

- c. English history, with due reference to social and political development.
- d. American history, with the elements of civil government.

NOTE.—For preparation in either of these groups a course of study equivalent to at least three lessons a week for two years will be needful. On examination a candidate must show such general knowledge of each field offered as may be acquired from the study of an accurate text-book of not less than three hundred pages. Since, however, the examination will be so framed as to require comparison and the use of judgment rather than mere exercise of memory on the part of the pupil, it is recommended that the teacher prescribe a course of supplementary reading of not less than five hundred pages dealing with the more important periods and events in both of the historical fields offered. Geographical knowledge will be tested by requiring the location of places and movements on an outline map.

Advanced (counting one point)

The requirement in advanced history is intended to be an equivalent for History A1-A2—the course prescribed in Columbia College (see courses given by Department of History). The work done at school, therefore, should be substantially identical with that course. Those candidates who have taken the examination in elementary history, and desire to offer history as an advanced subject, must present themselves for examination upon the historical fields included in *that group which they did not offer as an elementary subject*. For example, if a candidate offers the first group as the elementary subject, he must offer the second group as the advanced subject, and *vice versa*. The examination will presuppose superior ability on the part of the candidate in advanced history to understand the significance of historical events, movements, or tendencies, to discern similarities and contrasts, and to combine results.

As further evidence of proficiency, satisfactory written work must be presented in the form of a note-book, or bound collection of notes (see Submission of Note-books, page 165), containing not less than five thousand words on each historical field offered, and must show practice in at least three of the following exercises:

- (a) Notes and digests of reading outside of the text-books.
- (b) Written recitations requiring the use of judgment, and the application to new questions of knowledge already gained.
- (c) Written parallels between historical characters, events, or periods.
- (d) Brief studies of topics limited in scope, prepared outside the class-room and illustrated by some reference to contemporary material.
- (e) Historical maps or charts showing explorations, migrations, conquests, territorial changes, or social phenomena.

LATIN

Elementary (counting four points)

NOTE.—To secure four points candidates must offer *a*, *c*, *d*, *l*, and *m* except candidates for admission to the College of Physicians and Surgeons and the College of Pharmacy, who may offer *b* (Cæsar) as a substitute for either *c* or *d*.

Candidates for admission to Columbia College (course leading to B.S. degree), Teachers College, the College of Physicians and Surgeons, or the College of Pharmacy, who are unable to offer the whole of Elementary Latin, will be permitted to offer two points from this subject. Such candidates must offer parts *a* and *c*, or *a* and *d*, except candidates for the College of Physicians and Surgeons or the College of Pharmacy, who must offer *a* and either *b* or *c* or *d*.

To secure two points candidates for admission to the Schools of Applied Science must offer *a* and either *c* or *d*; and candidates for admission to the School of Architecture (course leading to a certificate in architecture) must offer *a* and either *b* or *c* or *d*.

a. i. Grammar.

The inflections; the simpler rules for composition and derivation of words; syntax of cases and verbs; structure of the sentence in general, with particular regard to relative and conditional sentences, indirect discourse, and the subjunctive.

ii. Elementary Prose Composition.

Translation into Latin of detached sentences and very easy, continuous prose based upon Cæsar and Cicero.

Beginning in June, 1907, Latin a. i and ii will be considered as a single, indivisible subject.

b. Cæsar. (See Note above.)

Any four books of the Gallic War, preferably the first four.

c. Cicero.

Any six orations from the following list, but preferably the first six mentioned:

The four orations against Catiline, Archias, and the Manilian Law, Marcellus, Roscius, Milo, Sestius, Ligarius, the Fourteenth Philippic.

d. Vergil.

The first six books of the *Æneid*, and so much of prosody as relates to accent, versification in general, and the dactylic hexameter.

l. Prose Composition.

Translation into Latin of continuous prose of moderate difficulty based on Cicero.

m. Elementary Sight Translation.

Translation into English at sight, based exclusively on prose of no greater difficulty than the easier parts of Cicero's orations.

Advanced (counting one point)

Candidates offering Latin as an advanced subject must present the equivalent of the course known as Latin A1-A2 (see courses announced by the division of Classical Philology). This course comprises the reading of Cicero's *De Senectute* and *De Amicitia*, a review of the syntax of the verb as contained in any standard grammar, and a knowledge of prose composition as represented by the second part of Daniells's *New Latin Composition*; also the reading of the first and third books of the *Odes* of Horace, with a satisfactory knowledge of the prosody.

Candidates applying for examination in this subject must designate the equivalents, if any, which they wish to offer.

MATHEMATICS**Elementary (counting three points)****a. Elementary Algebra.**

- i. The four fundamental operations for rational algebraic expressions.

Factoring, determination of highest common factor and lowest common multiple by factoring.

Fractions; including complex fractions, ratio and proportion.

Linear equations, both numerical and literal, containing one or more unknown quantities.

Problems depending on linear equations.

Radicals, including the extraction of the square root of polynomials and of numbers.

Exponents, including the fractional and negative.

- ii. Quadratic equations, both numerical and literal.

Simple cases of equations with one or more unknown quantities that can be solved by the methods of linear or quadratic equations.

Problems depending upon quadratic equations.

The binomial theorem for positive integral exponents.

The formulas for the n th term and the sum of the terms of arithmetic and geometric progressions, with applications.

It is assumed that pupils will be required throughout the course to solve numerous problems which involve putting questions into equations. Some of these problems should be chosen from mensuration, from physics, and from commercial life.

The use of graphical methods and illustrations, particularly in connection with the solution of equations, is also expected.

c. Plane geometry.

The usual theorems and constructions of good text-books, including the general properties of plane rectilinear figures; the circle and the measurement of angles; similar polygons; areas; regular polygons, and the measurement of the circle.

The solution of numerous original exercises, including loci problems.

Applications to the mensuration of lines and plane surfaces.

Advanced (counting one point)

d. Solid geometry.

The usual theorems and constructions of good text-books; including the relations of planes and lines in space; the properties and measurements of prisms, pyramids, cylinders, and cones; the sphere and the spherical triangle.

The solution of numerous original exercises, including loci problems.

Applications to the mensuration of surfaces and solids.

e. Trigonometry.

Definitions and relations of the six trigonometric functions as ratios; circular measurement of angles.

Proofs of principal formulas, in particular for the sine, cosine, and tangent of the sum and the difference of two angles, of the double angle and the half angle, the product expressions for the sum or the difference of two sines or of two cosines, etc.; the transformation of trigonometric expressions by means of these formulas.

Solution of trigonometric equations of a simple character.

Theory and use of logarithms (without the introduction of work involving infinite series).

The solution of right and oblique triangles, and practical applications, including the solution of right spherical triangles.

MUSIC (counting one point)

The candidate may offer either of the following subjects, preferably the first:

a. Musical Appreciation.

A general knowledge of the principal musical forms—song, classic dance, fugue, sonata (all movements), and symphony—and of their historical development; an acquaintance with the lives of the great composers since 1685 A.D., and with their compositions.

b. Harmony.

The ability to harmonize a simple soprano of not fewer than eight measures in four vocal parts, involving, in major or minor modes, diatonic chords of the seventh and modulation, transient or complete, to next-related keys; the ability to analyze (by indicating the keys, the chords, and the various non-harmonic tones employed) a simple piece of music involving altered chords, passing tones, suspensions, appoggiaturas, and pedal-point.

PHYSICS

Elementary (counting one point)

The candidate's preparation in physics should include:

- a. The study of a standard text-book supplemented by the use of many varied numerical problems, to the end that the pupil may gain a comprehensive and connected view of the most important facts and laws in elementary physics.
- b. Instruction by lecture-table demonstrations, to be used mainly as a basis for questioning upon the general principles involved in the pupil's laboratory investigations.
- c. Individual laboratory work, comprising at least thirty-five exercises distributed about as follows: mechanics 13, sound 3, heat 5, light 6, electricity 8. An indexed note-book of the experiments must be submitted. (See Submission of Note-books, page 165.)

Advanced (counting one point)

Candidates offering physics as an advanced subject must have studied physics for a full year after satisfactorily completing the elementary requirement. The work during this time must be devoted to a more thorough and extensive study of the subjects previously covered in a general way, in a course equivalent to that known as Physics 3-4 (see courses announced by the Division of Mathematical and Physical Science).

PHYSIOGRAPHY (counting one point)

The candidate's preparation in physiography should include the study of one of the modern text-books by Davis, Tarr, Dryer, or Gilbert and Brigham, together with an approved laboratory and field course of at least forty exercises actually performed by the candidate. An indexed note-book containing the record of these exercises must be submitted. (See Submission of Note-books, page 165.)

SHOPWORK (counting one point)

The candidate may offer any one of the following subjects:

- a. Wood-work.
- b. Forging.
- c. Machine work.

The candidate should have received laboratory instruction amounting to at least 180 hours in the subject offered, and will be required to pass both a written and a laboratory examination. The written examination will deal with the use and structure of tools, the nature of the usual shop processes and methods of work, and the properties of the materials commonly used in construction. The laboratory examination will consist of a practical test in the use of tools. The working drawing of some piece of work will be given the candidate, and he will be expected to select his tools and carry through all pro-

cesses necessary for a finished result. As evidence of technical skill, the models made at school may be presented. They must be accompanied by a certificate from the instructor stating that they are the pupil's own work.

The following indicates the scope of the examinations:

a. Wood-work.

i. Joinery—Skill in the use of the ordinary carpenter's tools will be required and ability to sketch and describe their parts. The candidate will be expected to know the correct steps to pursue in laying out and finishing a simple piece of work. He will also be called upon to make the common joints and splices and to represent them by sketches. He should also be able to recognize the common varieties of wood, and to indicate their relative strength, hardness, character of grain, and tendency to warp.

ii. Turning and Pattern Making—Ability in straight and simple curved turning both in hard and soft woods will be required, as well as a knowledge of the various methods of holding work in the lathe. The candidate should understand the requirements in making simple patterns and be able to describe the way in which such patterns are moulded.

b. Forging.

The candidate should have had practice in drawing, upsetting, forming, bending, and welding of iron and in forming, hardening, and tempering of steel. He should be able to describe the difference in appearance and in physical properties of wrought iron, soft steel, and tool steel, and state some of the uses to which each is put. He should be able to show the construction of the forge by sketches and indicate the proper handling of a piece in the fire.

c. Machine Work.

The candidate should have had experience both in chipping and filing cast and wrought iron and steel, and in the simpler processes performed on small engine lathes, drills, planers, shapers, and milling machines. He should be able to describe the mechanical construction of such tools and the operation of the different parts. He should also be able to indicate the correct methods of securing the pieces to be operated upon, and of adjusting the tool for a given result.

SPANISH (counting two points)

THE AIM OF THE INSTRUCTION.—At the end of the course the pupil should be able to pronounce Spanish accurately, to read at sight easy Spanish prose, to put into Spanish simple English sentences taken from the language of everyday life, or based upon a portion of the Spanish text read, and to answer questions on the rudiments of the grammar, as defined below.

THE WORK TO BE DONE.—During the first year the work should

comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the conjugation of the regular and the more common irregular verbs, the inflection of nouns, adjectives, and pronouns, and the elementary rules of syntax; (3) exercises containing illustrations of the principles of grammar; (4) the reading and accurate rendering into good English of from 100 to 175 duodecimo pages of graduated texts, with translation into Spanish of easy variations of the sentences read; (5) writing Spanish from dictation.

During the second year the work should comprise: (1) the reading of from 250 to 400 pages of modern prose from different authors; (2) practice in translating Spanish into English, and English variations of the text into Spanish; (3) continued study of the elements of grammar and syntax; (4) mastery of all but the rare irregular verb-forms and of the simpler uses of the moods and tenses; (5) writing Spanish from dictation.

Suitable texts for the second year are: Valera's *El pájaro verde*; Alarcón's *El final de Norma*, *El capitán Veneno*; Valdès's *José*; Galdós's *Doña Perfecta*; *Mariela*; Padre Isla's version of *Gil Blas*; Carrion and Aza's *Zaragüeta*.

ZOÖLOGY (counting one point)

In general, zoölogy is not recommended as an entrance subject unless the study has been preceded or accompanied by that of physics and chemistry, which form the most desirable groundwork for collegiate courses in biology. The entrance examination in zoölogy is designed to test, first, the candidate's practical acquaintance with the natural history, structure, and relationships of some of the leading types of animals, and, second, his knowledge of the more essential facts of physiology.

Practical Zoölogy. A practical examination on at least ten common animal types, and the presentation by the candidate of a laboratory note-book, certified by the teacher as evidence of a laboratory course actually performed. Examples of the types suggested are the frog, fish, mollusk, insects, crustaceans, annelid, star-fish, hydroid (*Hydra*) and protozoan. In the examination less weight is laid on a knowledge of anatomical *minutiæ* than on the ability to recognize the specimen and its allies, to indicate its relationships, and to point out the leading features of its life-history, organization, and physiology.

Elementary Physiology. The nature of foods and their history in the body; the essential facts of digestion, absorption, circulation, secretion, excretion, and respiration; the motor, nervous, and sensory functions; and the structure of the various organs by which these operations are performed. Martin's *Human Body* (briefer course) forms a suitable basis for this work; but teachers are recommended as far as possible to correlate the physiology of man and the higher animals with that of the lower forms studied in the course on practical zoölogy.

Beginning in June, 1907, the examination in Zoölogy will be based upon the following requirements:

The requirement in Zoölogy is in accordance with the report of a committee appointed by the American Society of Zoölogists.

OUTLINE FOR THE ONE-POINT OPTION IN ZOÖLOGY.—The following outline includes the principles of zoölogy which are indispensable to a general survey of the science. It is planned for a full year's course. It is not intended to indicate order of study of the topics—this must be left to the teacher and the text-book.

1. The general natural history—including general external structure in relation to adaptations, life histories, geographical range, relations to other plants and animals, and economic relations—of common vertebrates and invertebrates so far as representatives of these groups are obtainable in the locality where the course is given. The types suggested are a mammal, bird, lizard, snake, turtle, newt, frog, dog-fish or shark, bony fish, clam, snail, starfish, earthworm, planarian, hydra, sea-anemone, paramœcium. In the case of arthropods, pupils should become familiar with common crustaceans, spiders, myriapods, and insects representing at least five orders. Actual examination of common animals with reference to the above points should be supplemented by reading giving natural-history information.

It is not expected that there will be time for making extensive note-books on the natural-history work; rather will the work in this line take the form of laboratory demonstrations. So far as time permits, drawings and notes should be made. The note-book mentioned below should contain at least drawings on the external structure of four animals not studied under Section 3, preferably two insects, a mollusk, and a second vertebrate.

2. The classification of animals into phyla and leading classes (except the modern subdivisions of the worms) and the great characteristics of these groups. In the case of insects and vertebrates the characteristics of the prominent orders. The teaching of classification should be by practical work so as to train the pupil to recognize animals and to point out the chief taxonomic characteristics. The meaning of species, genera, and larger groups should be developed by constructive practical work with representatives of insect or vertebrate orders.

3. The general plan of external and internal structure, not the anatomical minutiae, of one vertebrate (preferably frog or fish) in general comparison with human body; an arthropod (preferably a decapod); an annelid (earthworm or Nereis); a cœlenterate (hydroid, hydra or sea-anemone); a protozoön (a ciliate, and amœba when possible). In place of any of above types not locally available there may be substituted a second vertebrate, an insect, a mollusk, or an echinoderm. Tissues, the study of which is recommended as optional,¹ should be examined first with the unaided eye, in such a structure as a frog's leg, and then with a microscope demonstrate the relations of cells and intercellular substance in epithelium and cartilage; and, if

¹ Topics marked "optional" are regarded as *desirable* for the best high-school zoölogy, but will not be required in examinations.

possible, in other tissues. The functions of the chief tissues and their positions in the body of a vertebrate should be pointed out.

4. (a) The general physiology of above types, involving the essentials of digestion, absorption, circulation (respiration), cell-metabolism, secretion, excretion, and nervous functions. This should apply comparatively the essentials of elementary work in human physiology. Demonstrations and experiments, such as are suggested in high-school text-books on human physiology, should be introduced, or recalled if not previously well presented in elementary physiology, in connection with the discussion of the chief functions. As far as practicable structure and function should be studied together.

(b) Comparison of the general life-processes in animals and plants (in connection with botany if zoölogy is first studied).

5. The very general features of asexual reproduction of a protozoön (preferably *Paramæcium*); alteration of generations in hydroids; reproduction and regenerations of *Hydra*; the very general external features of embryological development in a fish or frog; and (optional) the general cellular nature (not centrosomes and the like) of germ-cells, fertilization and cell-division in developing eggs should, as far as possible, be demonstrated and briefly described. Also, the most interesting features of development should be pointed out in the case of other animals studied.

6. The prominent evidences of relationship, suggesting evolution, within such groups as the decapods, the insects, and the vertebrates, should be demonstrated. A few facts indicating the struggle for existence, adaptation to environment, variations of individuals and man's selective influence should be pointed out; but the factors of evolution and the discussion of its theories should not be attempted.

7. (Optional) Some leading facts regarding the epoch-making discoveries of biological history and the careers of such eminent naturalists as Darwin, Huxley, Pasteur, and Agassiz should be presented.

The above outline of a course in general zoölogy should be developed on the basis of a course of laboratory study guided by definite directions. This should be supplemented by the careful reading of at least one modern elementary text-book in general zoölogy. At least two thirds of the time should be devoted to the practical studies of the laboratory. If good nature-studies have not preceded the course in high-school zoölogy, pupils should be encouraged to do supplementary work in the line of natural history. A note-book with carefully labelled outline drawings of the chief structures studied anatomically (Section 3), and the drawings mentioned under natural history (Section 1), and with notes on demonstrations and in explanation of drawings, with dates and an index, must be submitted, properly certified by the teacher, at the time of the examination. It will be graded as one third of the examination.

REGULATIONS FOR THE UNIVERSITY DEGREES

Master of Arts and Doctor of Philosophy

1. Candidates for the degrees of Master of Arts and Doctor of Philosophy must hold a baccalaureate degree in arts, letters, philosophy, or science, or an engineering degree, or an education equivalent to that represented by one of these degrees, such equivalence to be passed upon in every case by the Standing Committee on Higher Degrees.

Every candidate for a higher degree must present to the Dean of each school in which he intends to study satisfactory evidence that he is qualified for the studies he desires to undertake.

2. Candidates for the degrees of Master of Arts and Doctor of Philosophy must pursue their studies in residence for a minimum period of one and two years, respectively.¹ The year spent in study for the degree of Master of Arts is credited on account of the requirement for the degree of Doctor of Philosophy. Residence at other universities may be credited to a candidate. In certain cases and by special arrangement, time exclusively devoted to investigation in the field will be credited in partial fulfilment of the requirement of residence. No degree will be conferred upon any student who has not been in residence at Columbia University for at least one year. The satisfactory completion, at not less than four Summer Sessions, of courses of instruction having in all a value of eight hours' work a week for one academic year will be accepted as fulfilling the minimum requirement of one year's University residence.

3. All candidates for the higher degrees under the graduate faculties of Political Science, Philosophy, and Pure Science, should consult with the professor in charge of their major subject and with the Dean of their faculty before any attempt is made to register. The professor in charge of the major subject and the Dean shall pass upon the student's qualifications for the course of study he desires to pursue and shall approve his choice of subjects before registration can be effected.

Immediately after registration, each student who declares himself a candidate for the degrees of Master of Arts and Doctor of Philosophy, or either of them, shall designate one principal or major subject and two subordinate or minor subjects.

Candidates are expected to devote at least one half of their time

¹ In practice three years of University residence subsequent to the attainment of the Bachelor's degree, or its equivalent, are usually necessary to obtain the degree of Doctor of Philosophy.

throughout their course of study to the major subject. In the case of laboratory courses this implies two days a week, or its equivalent, as determined by each department. Each minor subject is intended to occupy approximately one fourth of the time during one year for the degree of Master of Arts, and during two years for the degree of Doctor of Philosophy.

Minor subjects may not be changed except by permission of the Dean, to be given only on the written recommendation of the heads of the departments from which and to which the change is desired; major subjects may not be changed except by a special vote of the Faculty in each case.

When a candidate in his choice of subjects under any Faculty designates a subject as his major and first minor, as permitted by the Regulations, no subdivision of that general subject may be chosen by him as a second minor, provided, however, that, with the recommendation of the Dean and the head of the department concerned, by a special vote of the Committee on Higher Degrees, to be taken in every such case, a candidate may be allowed to choose all his subjects under one department.

4. The subjects from which the candidate's selection must be made are:

UNDER THE FACULTY OF POLITICAL SCIENCE

Group I.—History and political philosophy: 1. Ancient and oriental history; 2. mediæval history; 3. modern European history from the opening of the 16th century; 4. American history; 5. political philosophy.

Group II.—Public law and comparative jurisprudence: 1. Constitutional law; 2. international law; 3. administrative law; 4. comparative jurisprudence.

Group III.—Economics and social science: 1. Political economy and finance; 2. sociology and statistics; 3. social economy.

In his choice of subjects under this Faculty, the candidate whose major subject lies within its jurisdiction is limited by the following rules:

A candidate for the degree of Doctor of Philosophy must select one minor subject within the group which includes his major subject.

A candidate for the degree of Master of Arts or Doctor of Philosophy must select one minor subject outside of the group which includes his major subject.

The choice of subjects must in every case be approved by the Dean.

To be recognized as a major subject for the degree of Master of Arts, the courses selected must aggregate at least two hours per week, throughout the year, and must also include attendance at a seminar. For a minor subject for the degree of Master of Arts the attendance at a seminar is not required.

To be recognized as a major subject for the degree of Doctor of

Philosophy, the courses selected must aggregate at least four hours weekly during each of the required years of residence (provided that this number of hours be offered in the subject), and must also include attendance at a seminar during the period of residence.

To be recognized as a minor subject for the degree of Doctor of Philosophy, courses must be taken, in addition to the requirements for a minor subject for the degree of Master of Arts, aggregating two hours weekly.

UNDER THE FACULTY OF PHILOSOPHY

I. *Major Subjects*: 1. Philosophy; 2. psychology; 3. anthropology; 4. education; 5. linguistics; 6. comparative literature; 7. classical archæology and epigraphy; 8. Greek language and literature, and, incidentally, Grecian history; 9. Latin language and literature, and, incidentally, Roman history; and the following, *including in each case the study of both the language and the literature*: 10. English; 11. Germanic; 12. Romance; 13. Sanskrit (with Pāli) and Iranian; 14. Semitic; 15. Chinese. Nos. 1, 2, 3, 4, 6, 10, 11, 12, 13, 14, and 15 count each as the equivalent of a major and one minor subject.

II. *Minor Subjects*: 1. Philosophy; 2. psychology; 3. anthropology; 4. education; 5. linguistics; 6. comparative literature; 7. Greek; 8. Greek archæology; 9. Latin; 10. Roman archæology; 11. Sanskrit; 12. Iranian; 13. English; 14. Anglo-Saxon; 15. Gothic; 16. Germanic philology; 17. German language and literature; 18. Scandinavian languages and literatures; 19. Romance philology; 20. French language and literature; 21. Spanish language and literature; 22. Italian language and literature; 23. Hebrew; 24. Arabic; 25. Assyrian; 26. Syriac; 27. Ethiopic; 28. Semitic epigraphy; 29. Turkish; 30. Armenian; 31. Chinese; 32. Coptic.

A candidate for the degree of Master of Arts or Doctor of Philosophy may, with the consent of the Dean of the Faculty concerned and of the professor in charge of his major subject, select both minor subjects within the same department, and may divide a minor subject, taking parts of two subjects germane to his major subject.

The choice of subjects made by a candidate must in every case have the approval of the Dean and the head of the department under which the major subject is taken before being finally allowed.

UNDER THE FACULTY OF PURE SCIENCE

1. Anatomy; 2. astronomy; 3. bacteriology; 4. botany; 5. chemistry; 6. geodesy; 7. geology; 8. lithology; 9. mathematics; 10. mechanics and electro-mechanics; 11. mineralogy; 12. palæontology; 13. physics; 14. physiology; 15. zoölogy; 16. physiological chemistry; 17. civil and sanitary engineering; 18. electrical engineering; 19. mechanical engineering; 20. metallurgy; 21. mining.

In his choice of subjects under this Faculty, the candidate is limited by the regulation that no two of the subjects selected may be in any

one department, unless the consent of the Faculty thereto shall have first been obtained.

A minor subject may be taken in the same department as the major, but no two minors may be taken in the same department, unless the consent of the Faculty thereto shall be first obtained.

5. Each student is given a registration-book, to be obtained at the office of the Registrar, which shall be signed by the professor or instructor in charge of each course of instruction or investigation at the beginning and end of the course. This registration-book is to be preserved by the student as evidence of courses attended, and shall be submitted to the Deans of the several Faculties at the end of each year, that the proper credit may be given for the courses attended, after which the registration-book becomes the permanent property of the student.

6. (a) Students desiring to be examined for the degree of Master of Arts, Master of Laws, or Doctor of Philosophy must make application to the Registrar of the University on or before April 1 of the academic year in which the examination is desired, on blanks provided by the University.
- (b) Immediately after April 1, the Registrar shall notify the Dean of the Faculties of Political Science, Philosophy, and Pure Science, of the names of students applying for examination for higher degrees in each of these three Faculties, together with the subjects in which the candidate offers himself for examination and the degree for which he is a candidate.
- (c) The examination shall be held under the authority and direction of the several Deans.
- (d) The results of such examinations shall be reported as soon as possible to the Registrar, who shall transmit to the Secretary of the University Council the record of each successful candidate for a degree, as soon as such record is complete.

7. Each candidate for the degree of Master of Arts shall present an essay on some topic previously approved by the professor in charge of his major subject. This essay must be presented not later than May 1 of the academic year in which the examination is to take place. The Faculty of Political Science requires this essay to be a paper read during the year before the seminar of which the candidate is a member.

When the essay has been approved, the candidate shall file with the Registrar of the University a legibly written or typewritten copy of it. This copy is to be written on firm, strong paper, eleven by eight and a half inches in size, and a space of one and a half inches on the inner margin must be left free from writing. The title-page of every such essay shall contain the words: "Submitted in partial fulfilment of the requirements for the degree of Master of Arts, in the Faculty of——, Columbia University."

8. Each candidate for the degree of Doctor of Philosophy shall present a dissertation embodying the result of original investigation and research on some topic previously approved by the professor in charge of the candidate's major subject. When such dissertation has been approved by the said professor, it shall be printed by the candidate, under the direction of the Dean of the Faculty, and one hundred and fifty copies shall be delivered to the Registrar of the University, unless, for reasons of weight, a smaller number be accepted by special action of the University Council. On the title-page of every such dissertation shall be printed the words: "Submitted in partial fulfilment of the requirements for the Degree of Doctor of Philosophy, in the Faculty of ———, Columbia University."

Each dissertation shall contain upon its title-page the full name of the author; the full title of the dissertation; the year of imprint, and, if a reprint, the title, volume, and pagination of the publication from which it was reprinted; and there shall be printed and appended to each dissertation a statement of the educational institutions that the author has attended, and a list of the degrees and honors conferred upon him, as well as the titles of his previous publications.

All dissertations for the degree of Doctor of Philosophy must be submitted for approval not later than April 1 of the academic year in which examination is desired.

In the Faculty of Political Science, the examination on the major and minor subjects and on languages, but not on the dissertation itself, may be held before the printed dissertation is submitted.

In the Faculties of Philosophy and Pure Science, the dissertation is not required to be printed until after the examination of the candidate.

The Faculty of Pure Science requires the dissertation to be printed in the size and form of the *Annals*, or the *Memoirs*, of the New York Academy of Sciences, according to the nature of the subject.

9. No candidate for the degree of Doctor of Philosophy is admitted to examination except on recommendation of the professor who has approved the topic selected for his dissertation. Such recommendation must be endorsed by the other professors in charge of the candidate's major and minor subjects. Every candidate must pass, besides such other examinations as the Faculty may require, an oral examination on all three subjects, and must defend his dissertation in the presence of the entire Faculty, or of so many of its members as may desire or as may be designated by the Faculty to attend.

The general examination for the degree of Doctor of Philosophy will not be confined to the courses which the candidate has attended in Columbia University or elsewhere, nor even to the field covered by such courses. The candidate is expected to show a satisfactory grasp of his major subject as a whole and a general acquaintance with the broader field of knowledge of which this subject forms a part.

The ability to read at sight French and German, to be certified in each case by the Dean of the Faculty concerned, is required by all the Faculties.

In the Faculty of Political Science, the candidate must also show that he is able to read ordinary Latin, unless it shall have been previously certified by the professor, or professors, in charge of the major subject that ability to use this language is not necessary for the proper prosecution of the candidate's researches. On application to the Dean, the candidate may be examined on the required languages one year before presenting himself for the general examination on his major and minor subjects. If no such application be made, he will be examined on the languages in connection with the general examination on these subjects.

In the Faculty of Philosophy, admission as a regular student or as a candidate for the degree of Master of Arts does not admit to candidacy for the degree of Doctor of Philosophy. Only those students are admitted to candidacy for the degree of Doctor of Philosophy who (1) are recommended for such candidacy by the heads of the departments in which their major and minor subjects of study lie; (2) are certified as to their ability to read French and German by the heads of those departments; (3) are certified as to their ability to read Latin by the head of that department; provided that students whose major subject is psychology, anthropology, or education, shall not be required to meet this test when it is certified by the professor in charge of their major subject that an ability to read Latin is not necessary for the proper prosecution of their researches.

The examinations in Latin, French, and German, prescribed for admission to candidacy for the Doctor's degree under the Faculty of Philosophy, shall be passed at least one academic year before the candidate presents himself for the degree.

10. Students holding college degrees, who shall have completed with marked distinction one of the regular courses in the School of Law, the School of Medicine, the School of Mines, the School of Chemistry, the School of Engineering, or the School of Architecture, may be recommended for the degree of Master of Arts; provided that in each case the candidate, while pursuing his professional course, shall have taken additional work, under the direction of the Faculty of Philosophy, the Faculty of Political Science, or the Faculty of Pure Science, to the extent of a minor subject, as recognized by the Faculty concerned, for not less than one academic year.

Every such candidate shall present an essay on some topic previously approved by the professor in charge of his minor subject. This essay in all other respects shall conform to the requirements as stated in Section 7 of these Regulations.

11. No student shall continue to be a candidate for the degree of Doctor of Philosophy for a longer period than three years from the

time he ceases to be in residence, nor for a longer period than six years from the time of his initial registration for an advanced degree.

The degree of Master of Laws is also awarded for work done in part under the Faculty of Political Science. Information as to the conditions under which it is granted may be obtained from the Secretary of the University.

Other Degrees

The authorities of the University have under consideration the establishment of a non-professional course of instruction of three years, parallel to that leading to the degree of Bachelor of Laws, and of a graduate course of one or more years open to such as have completed either of the three-year courses in law. Appropriate degrees will be awarded for the successful completion of such new courses. Announcement of the new courses and of the regulations governing the award of such degrees will be made as soon as arrangements therefor are completed.

COLUMBIA COLLEGE

The following departments are represented in the Faculty

ASTRONOMY	LATIN
BOTANY	MATHEMATICS
CHEMISTRY	MECHANICS
ENGLISH	PHILOSOPHY AND PSYCHOLOGY
GEOLOGY	PHYSICS
GERMANIC LANGUAGES AND LITERATURES	POLITICAL ECONOMY
GREEK	ROMANCE LANGUAGES AND LITERATURES
HISTORY	SEMITIC LANGUAGES
INDO-IRANIAN LANGUAGES	ZOOLOGY

Officers of the Faculty

Ex-Officio Members of the University Council

J. H. VAN AMRINGE, Ph.D., L.H.D., LL.D.....	<i>Dean</i>
H. T. PECK, Ph.D., L.H.D., LL.D.....	<i>Secretary</i>

Standing Committees

COMMITTEE ON THE PROGRAM

OF STUDIES

Professor Van Amringe, <i>Chairman</i>
“ Cohn
“ Perry
“ Wilson
“ Woodbridge
“ McCrea

COMMITTEE ON ADMISSIONS

Professor McCrea, <i>Chairman</i>
“ Hallock
“ Maclay
“ Odell
“ Hervey

COMMITTEE ON SCHOLARSHIPS

Professor Van Amringe, <i>Chairman</i>
“ Peck
“ Jackson

COMMITTEE ON HONORS

Professor Fiske, <i>Chairman</i>
“ Lord
“ Seager

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., Litt.D. (Oxon.)...	<i>President</i>
J. HOWARD VAN AMRINGE, Ph.D., L.H.D., LL.D.....	<i>Professor of Mathematics</i>
CHARLES F. CHANDLER, Ph.D., M.D., LL.D., Sc.D..	<i>Mitchill Professor of Chemistry</i>
JOHN W. BURGESS, Ph.D., LL.D.,	<i>Ruggles Professor of Political Science and Constitutional Law</i>

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- ¹ Absent on leave.

CASSIUS JACKSON KEYSER, Ph.D.	Adrain Professor of Mathematics
GEORGE L. MEYLAN, A.M., M.D.	Adjunct Professor of Physical Education
LOUIS AUGUSTE LOISEAUX, B.S.	Adjunct Professor of the Romance Languages and Literatures
WILLIAM ADDISON HERVEY, A.M.	Adjunct Professor of the Germanic Languages and Literatures
RUDOLF TOMBO, Jr., Ph.D.	Adjunct Professor of the Germanic Languages and Literatures
GEORGE N. OLCOTT, Ph.D.	Adjunct Professor of Latin
JOHN DEWEY, Ph.D., LL.D.	Professor of Philosophy
WILLIAM R. SHEPHERD, Ph.D.	Adjunct Professor of History
FRANK L. TUFTS, Ph.D.	Adjunct Professor of Physics
JAMES T. SHOTWELL, Ph.D.	Adjunct Professor of History
GEORGE W. BOTSFORD, Ph.D.	Adjunct Professor of History
HENRY B. MITCHELL, A.M.	Adjunct Professor of Mathematics

ADMISSION

Candidates are admitted by the Committee on Admissions under the following regulations:

Except for reasons of weight, candidates for admission to the Freshman class must be at least fifteen years of age at the time of matriculation, and correspondingly older for admission to advanced standing. Each candidate must before admission present a certificate of good moral character from his last teacher or from some citizen of good standing. Students from other colleges or universities must bring certificates of honorable dismissal.

All requests for information regarding admission should be addressed to the Secretary of the University

To the Freshman Class

Every candidate must offer at the entrance examinations (see below) subjects amounting to fifteen "points." The point here represents the number of years, at the rate of five periods a week, which will normally be required in the secondary school to prepare adequately for the college examination.

The candidate *must* offer

	COUNTING IN POINTS
English.....	3
Elementary Mathematics.....	3
and in the case of candidates for the A.B. degree	
Elementary Latin.....	4

The candidate may offer any of the following subjects without other restriction than that to offer an advanced

¹ Absent on leave.

subject will involve offering either at the same time or earlier the corresponding elementary subject:

Elementary Greek.....	3
Elementary History.....	2
Drawing.....	1
Music.....	1
Intermediate French.....	1
Intermediate German.....	1
Advanced Greek.....	1
Advanced History.....	1
Advanced Latin.....	1
Advanced Mathematics.....	1
Advanced Physics.....	1
and in the case of candidates for the B.S. degree	
Elementary Latin (See note, page 177).....	4 or 2

The candidate may offer not more than 4 points in all from the three subjects following:

Elementary French.....	2
Elementary German.....	2
Spanish.....	2

The candidate may offer not more than 3 points in all from the six subjects following:

Elementary Physics.....	1
Chemistry.....	1
Botany.....	1
Physiography.....	1
Shop-work.....	1
Zoölogy.....	1

For full definition of the above requirements and for information regarding the times and places at which entrance examinations are held, regulations regarding division of examinations, examinations outside of New York, application blank, and examination fee, see pages 163-184.

Acceptance of Certificates

Columbia College accepts, in lieu of its entrance examinations, no credentials of any sort except the Regents' Academic Diploma (for details see the *Announcement of Columbia College*) and the certificates of approved colleges, and these only for the subjects which they specifically cover. Certificates of the preparatory or high-school departments of universities and colleges are not accepted.

Candidates must take the regular entrance examinations in the subjects in which their certificates are not deemed adequate.

All certificates so offered must be received by the College Committee on Admissions at least two weeks before the first day of the entrance examinations.

To Advanced Standing

Candidates for admission to advanced standing upon the basis of certificates from other colleges must fill out the appropriate application-blank, to be obtained from the Secretary of the University, and file it with the Committee on Admissions one week before the first day of the September or January entrance examinations. Each candidate must also present an official transcript of his academic record, together with a marked catalogue of the institution that he leaves.

Candidates for admission to the Freshman class offering for entrance more than the required 15 points receive credit for this extra work toward a degree, on a basis to be determined by the Committee on Admissions; but not more than 18 of the 124 points required for a degree may be made in this way.

To Special Courses

Special courses are offered to young men of good character, at least eighteen years of age, who wish without reference to any degree to make a serious study of any subject or group of subjects. Such men are designated "non-matriculated students," and are expected to fulfil the requirements for admission to the Freshman class (see page 194). Applications must be made, on blanks to be obtained from the Secretary of the University, at least two weeks before the entrance examinations begin.

Except for reasons of weight no one will be admitted as a special student, who, within ten months of the time of his application, has been refused admission, or has failed in his work, as a candidate for a degree.

Persons who wish to pursue merely elementary subjects, such as may be offered for admission, are not received as non-matriculated students.

Applications from men of maturity who have been several years out of school or college, and have had a valuable educative experience in practical life, will be considered on their merits.

On Probation

Every Freshman admitted conditionally will be held under probation during the first half-year of residence. Not later than the end of this period, the Dean, on the basis of reports from the head of each department in which the student is registered, will decide whether he shall be admitted to full standing, have his period of probation extended, or be dropped from the roll. The mark C, B, or A, obtained in any subject at the end of the first half-year of residence, will be regarded as removing an entrance condition in that subject, unless the condition was incurred in a part of the subject not directly involved in the work of the college course.

Registration

(See page 23)

Fees

(See page 24.)

Scholarships

(See table of Contents.)

THE PROGRAM OF STUDIES

The time within which a curriculum, leading to the degree of Bachelor of Arts, or Bachelor of Science, may be completed varies with the capability and industry of the individual student. In most cases, perhaps, four years will be spent in making the required number of points; students of ability and industry may complete the course in three years, or conceivably in even less time, especially if advantage be taken of courses in the Summer Session, or additional credit be gained by high standing; but no student may spend more than six years as a candidate for a degree.

The principles of the program of studies adopted in 1905 are as follows:

1. The requirement for graduation is 124 points, the term "point" signifying the satisfactory completion of work requiring attendance one hour a week for one half-year.

2. Studies are either "prescribed," *i. e.*, obligatory upon all candidates for degrees; or "elective," *i. e.*, to be taken (with certain restrictions) at the pleasure of the student.

3. Prescribed studies must be taken as far as practicable during the first two years of residence; and subjects taken in College which are continuations of subjects offered at entrance must be taken as far as possible in the first year.

4. Other courses than those specified under each half-year may be taken by students qualified to pursue them with advantage, but in every case only with the consent of the Dean.

5. No combination of courses amounting to less than 12 or more than 19 points may be made in any half-year without the consent of the Dean.

6. At least 9 points, exclusive of prescribed work, must be made under some one department before graduation.

7. Admission to courses depends strictly upon completion of the pre-requisites as stated for each course separately. Where no pre-requisite is stated the course may be taken and counted for a degree by any student of the College.

8. To be recommended for a degree, a student must have made at least 84 points in actual college residence, and of these at least 24 in Columbia College. (The Faculty has power to suspend this rule in

individual cases; but a Statute of the University forbids the granting of a degree to any person who has not been a member of the University for a full academic year, *i. e.*, two half-years.)

Prescribed Courses

Unless the equivalents have been offered for admission, the following courses are prescribed:

	COUNTING IN POINTS
English A and B	10
French A and B , or German A and B	6
History A	6
Latin A (required only of candidates for A.B. degree)	6
Mathematics A	6
Philosophy A	6
Physical Education A and B	4
Natural Science A	6
Botany, Chemistry, Geology, Physics, Psychology (Experimental), or Zoölogy: two half-year courses (required only of candidates for A.B. degree)	6
Anthropology, Astronomy, Botany, Chemistry, Geology (including Mineralogy), Mathematics, Mechanics, Physics, Psychology, or Zoölogy: four half-year courses in one or more of these subjects, in all (required only of candidates for B.S. degree)	12

Options in the Professional Schools

The following provisions apply alike to all candidates for a degree:

When 72 points (including all prescribed work) have been made in Columbia College, a student who wishes to enter upon his professional studies before graduation from the College, may exercise one of the following options:

- (a) He may take the studies of the First Year of the Schools of Applied Science (unless he is able to gain advanced standing in one of those Schools), provided the courses previously taken by him fulfil the requirements for admission to those Schools; and may receive the degree of A.B. or B.S. upon the satisfactory completion of two years' work in a professional course.
- (b) He may take the studies of the First Year of the College of Physicians and Surgeons, provided he has previously taken in college at least one course in Chemistry, one in Physics, and one in Zoölogy; and may receive the degree of A.B. or B.S. upon the satisfactory completion of two years' work in this professional course.
- (c) He may take the studies of the First Year of the professional course of Teachers College; and may receive the degree of A.B.

or B.S. upon the satisfactory completion of two years' work in this professional course.

- (d) He may take the studies of the First Year in the School of Fine Arts, provided the courses previously taken by him fulfil the requirements for admission to that school; and may receive the degree of A.B. or B.S. upon the satisfactory completion of two years' work in a professional course.

When 94 points (including all prescribed work) have been made, and of these not less than 72 in Columbia College, the student may take the studies of the First Year of the School of Law; and may receive the degree of A.B. or B.S. upon the satisfactory completion of one year's work in this professional course.

For particulars as to these several options the announcement of the proper professional school should be consulted.

A student who exercises any one of the options here mentioned continues to be a student of Columbia College and subject to the authority of its Dean, as long as he remains a candidate for the College degree.

Additional Credit for High Standing

At the end of every half-year, when all the reports are filed in the Registrar's Office, additional credit for high standing is given as follows:

The mark A in any two courses (no course being counted twice) entitles the student to one point of extra credit, provided he has not fallen below the mark B in any of the courses pursued by him during the half-year.

Any student who is credited with 94 points (including all prescribed work) may receive one point of extra credit for each of two courses chosen from among those offered by any single department as counting toward a higher degree (see page 185), provided the quality of his work in such course be tested by an essay for which a mark of A or B is given, in addition to the stated examinations. No student may receive more than one point of extra credit in one half-year under the terms of this rule.

Under the plan of increased credits it is possible not only to shorten materially the time spent in work for a degree, but also to gain time for such courses as the student may wish to take besides those necessarily counted toward the degree. For example, the course may be shortened, among many other ways, by one of the following plans:

1. A student entering without advanced standing in any subject, taking regularly 18 hours a week (in addition to physical education), and securing regularly two points of extra credit in each half-year (*i. e.*, 4 A's and 2 or more B's), can make 124 points in three years.

2. A student entering without advanced standing, taking on the average 17 hours a week (in addition to physical education), and securing on the average 1 point of extra credit in each half-year (*i. e.*,

2 A's and 3 or more B's), can finish his course, with 2 points to spare, in three and a half years.

3. A student entering with 4 points to his credit for advanced standing, taking on the average 16 hours a week, gaining nothing by proficiency and losing nothing by penalties, can finish his course in three and a half years, if during his residence he makes 4 points in the Summer Session.

Choice of Electives

For recommendations in regard to the choice of elective studies, the reader is referred to pages 14-16 and 18-19 of the Columbia College Announcement for 1905-06.

Examinations in Course

Two examinations are held every year in all courses, one beginning on the last Wednesday but one of the first half-year (January 24, 1906), and the other on the Wednesday of the third week preceding Commencement (May 23, 1906). These, and these only, are the *stated examinations*.

No student who has been absent from more than ten per cent. of the exercises in any course during a single half-year is entitled to attend the stated examination in that course. Each instance of tardiness is counted as half an absence.

Should a student not exceed the limit of absence allowed, no explanation of any of his absences is required: should he exceed the limit allowed in any course, he is debarred from the stated examination in that course, and can attend it only by consent of the Dean, given after written explanation to him of every absence.

Every student is expected and required to keep an account of his absences, and any satisfactory explanation of them must be from records made at the times of their occurrence, and for dates noted by the student himself and not obtained by him from the instructor in charge.

Delinquent examinations (see paragraph (a) below) and examinations held by special permission of the Dean are *special examinations*, the fee for each of which (except as noted in paragraph (d) of this section) is five dollars, which must be paid by the student before being admitted to the examination.

(a) Delinquent examinations, to enable deficient or debarred students of all classes to make good their deficiencies, are held within the two weeks immediately preceding the opening of the College in the autumn; and in addition, by special permission of the Dean, during the first week in May.

(b) Except as provided for in paragraph (a), a student found deficient in any subject at a stated examination will not be allowed a special examination in that subject.

(c) Except as provided for in paragraph (a), a student absent from a stated examination in any subject will not be allowed a special examination in that subject; but if the absence was due to unavoidable circumstances, the Dean may, on proper written certification to him, grant a special examination.

(d) If a student has special examinations in several subjects granted him, either at the delinquent examinations or under one permit from the Dean specifying each subject, one fee of five dollars will cover them all.

Grades and Credit

A student who receives a mark of F in any prescribed course must repeat that course. A student who receives a mark of F in any course not prescribed may present himself for re-examination at the stated time; on passing such examination he may receive only a mark of D. In either case, however, if the mark of F was given by reason of absence from examination resulting from illness or other unavoidable cause, he may be examined by permission of the Dean and marked as though he had attended the regular examination.

In any half-year not more than one course, whether prescribed or elective, in which the student is marked D, may be counted toward a degree. Of several courses in which he is marked D he may choose the one to be so counted. In all cases the requirements as to pre-requisites for any course must be completed before the beginning of the half-year in which that course is given.

HONORS

Departmental

Honors are of three kinds: departmental, divisional, and general.

Departmental honors will be granted in any year in any department for high excellence in courses of that department. Such excellence shall be indicated by the grade A obtained in courses aggregating at least six points, and by the satisfactory performance of additional work set by the department. Students must announce their candidacy to the head of the department not later than the first of April of the year of candidacy.

Except by special decision of the Committee on Honors, no student falling below C in any course taken by him during the year of candidacy will receive honors.

A student who has won honors in any department successively during the last three years of his college residence will be granted at graduation highest final honors in that department.

On completion of the number of points required for a degree students whose curriculum has been under the direction of some one Division may be recommended to the Faculty by that Division for final honors in such subjects as the Division may specify.

General

General honors will be granted at the end of every academic year to students who during that year have obtained grade A in the majority of the courses taken by them, provided they have not fallen below grade B in any course in that year.

Highest final general honors will be granted at graduation to all students who have obtained grade A in the majority of the courses taken by them during the last three years of college residence, provided they have not fallen below grade B in any course in those years.

REGISTER OF STUDENTS

Columbia College

SENIORS—CLASS OF 1906

ADAMS, RALPH ALLISON.....	New York City ¹
AMBERG, JOSHUA LOUIS.....	New York City
BARTLETT, EDWARD EVERETT, Jr.....	New York City
BAUM, PHILIP.....	New York City
BENTON, NELSON K.....	Newark, N. J.
BERTINI, AMEDEO AUGUST.....	New York City
BLUMENSTIEL, ALBERT B.....	New York City
BONDY, EUGENE LYONS.....	New York City
BOYD, ALEXANDER SAMUEL.....	Sergeantsville, N. J.
BOYLE, JOHN NEVILLE.....	New York City
BRANDS, CARL.....	Paterson, N. J.
BULKLEY, KENNETH.....	New York City
BURNS, GRANT.....	New York City
CAMPBELL, ROBERT ERSKINE.....	New York City
CASAMAJOR, ROBERT.....	(Bklyn) New York City
CASWELL, WILBUR LARREMORE.....	(Bklyn) New York City
CHAMBERS, FRANK WILLIAM.....	New York City
CHEADLE, ALBERT BERNARD.....	Ottumwa, Iowa
CLARK, THOMAS FAYETTE.....	New York City
CORN, BELMONT.....	New York City
DENZER, BERNARD SOLOMON.....	New Rochelle, N. Y.
DEVOE, WILLIAM BECK.....	New York City
DOWNES, FLETCHER GARDNER.....	Jersey City, N. J.
EASTMAN, HENRY WESTERN.....	Roslyn, L. I.
ECKSTEIN, HENRY JOSEPH.....	New York City
EIMER, AUGUST OTTO.....	New York City
ELLIOTT, EDSALL DUBOIS.....	Catskill, N. Y.
EMSHEIMER, HERBERT.....	Wheeling, W. Va.
ESSEX, WILLIAM LEOPOLD.....	Nyack, N. Y.
EVANS, JOHN HINMAN.....	Montclair, N. J.
FACKENTHAL, FRANK DIEHL.....	(Bklyn) New York City
FORSCH, SIDNEY S.....	New York City
FOWLER, ROBERT HENRY.....	New York City
GEARHART, MELVIN FLOYD.....	Portageville, N. Y.
GEER, WILLIAM MONTAGUE, Jr.....	New York City
GERMANN, FREDERICK W.....	(Bklyn) New York City
GORDON, CLARENCE THAYER.....	East Orange, N. J.
GROSZMANN, WALDEMAR HEINRICH.....	Plainfield, N. J.
HEIMAN, HUGO.....	Little Rock, Ark.
HELLENBERG, LAWRENCE HERMAN.....	New York City
HOLLISTER, SAMUEL THOMSON.....	New York City
HOSHINO, KEN.....	Tokio, Japan
ISAACS, SAMUEL STANLEY.....	New York City

¹ All students from New York City are, unless otherwise indicated, residents of the Borough of Manhattan.

JOSEPH, DAVID HERMAN.....	Louisville, Ky.
JOSEPH, ISYA.....	New York City
KAHN, MAXWELL MEYER.....	New York City
KAISER, GORDON HAYM.....	New York City
KEELER, FLOYD YATES.....	North Salem, N. Y.
KENDLER, JULIUS.....	New York City
KRAUSS, FLETCHER IRVIN.....	East Orange, N. J.
LIPPMANN, FRANK BENEDICT.....	New York City
LODER, IRVING HOWARD.....	Port Chester, N. Y.
LUCE, FRED LESLIE.....	Villisca, Iowa
MCCARTHY, THEODORE.....	New York City
MACBETH, ROBERT WALKER.....	(Bklyn) New York City
MACDONALD, CHARLES DOUGLAS.....	New York City
MARWICK, ROBERT HUGH.....	Petrolia, Ontario, Canada
MAVES, ALBERT EDWARD.....	New York City
MAYNARD, EDWIN TAYLOR.....	(Bklyn) New York City
MENDELSON, SAMUEL.....	New York City
MILLER, SANDFORD LAWRENCE.....	Linlithgo, N. Y.
NATHAN, ELI MORRIS.....	New York City
PARDEE, HAROLD ENSIGN BENNETT.....	New York City
PERRY, ROBERT MATSON.....	Denver, Colo.
PORTER, WILLIAM REDFIELD.....	New York City
REJALL, ALFRED ERNST.....	(Bklyn) New York City
ROSENTHAL, LEO ALFRED.....	New York City
SAMPLE, FRANK.....	Eureka, Kansas
SCHARF, WILLIAM WILLCOX.....	(Bklyn) New York City
SCHIFFMAN, SAMUEL.....	New York City
SCOTT, EARL.....	(Q) New York City
SELIG, SAMSON.....	New York City
SEME, PIXLEY KÀ ISAKA.....	Natal, South Africa
SICHEL, WALTER.....	New York City
SLOANE, CHARLES O'CONOR.....	South Orange, N. J.
SOLOMON, WALTER LEO.....	New York City
SPITZ, EDWARD FREDERICK.....	(Bklyn) New York City
STEINER, STANLEY HAROLD.....	New York City
STEWART, CHARLES ARTHUR.....	New York City
STOCKTON, GUY CADWALLADER.....	New York City
STOCKTON, JAMES LEROY.....	New York City
THOMAS, HAROLD ALLEN.....	New York City
TILT, WILLIAM AUGUSTUS.....	New York City
WEBB, KENNETH SEYMOUR.....	New York City
WELLES, FRANK CORDAY.....	New York City
WILLIAMS, CHARLES LAIDLAW.....	East Orange, N. J.
WORZEL, HOWARD HENRY.....	(Bklyn) New York City
WRONKER, BENNO MAURICE.....	New York City

The enrolment of the following in this class has been delayed:

ASHFORTH, GEORGE.....	New York City
BANGS, HENRY MCCOMB.....	New York City
BECKINGHAM, DANIEL FRANCIS.....	New York City
BOGUE, PERRY DAVID.....	(Bklyn) New York City
BRENNAN, WALTER JOSEPH.....	New York City
BROWN, FRANK CORNISH.....	New York City
BRUCE, MURRAY.....	(Bklyn) New York City
CAROLINE, HYMAN.....	New York City
FORD, WILLIAM ANDREWS.....	White Plains, N. Y.
HANER, CARL, JR.....	New York City
HIRSCHBERG, STUART McALLES.....	Newburgh, N. Y.
KLINE, HENRY JAMES.....	New York City

LEVENTRITT, LEO LITHAUER.....	New York City
MOORE, GEORGE GELSTON, Jr.....	New York City
MYERS, ALFRED STUART.....	New York City
O'CONNELL, EDWARD JOSEPH.....	(Bklyn) New York City
RICHTER, ROBERT MONTGOMERY.....	New York City
SPENCE, KENNETH MONROE.....	New York City
STREETER, PAUL COOLIDGE.....	New York City
STURGES, HENRY PEMBERTON.....	New York City
SUTTER, MILTON V.....	New Rochelle, N. Y.
THURLOW, JOHN NORTHRUP.....	(Bklyn) New York City
TRIPP, PERCY BLACKFORD.....	Falls Church, Va.
Total.....	111

JUNIORS—CLASS OF 1907

AMES, CLAIR ELWOOD.....	New York City
AMOS, WALDO ADAMS.....	Jersey City, N. J.
AUERBACH, IRVIN HAROLD.....	New York City
BAILLY, EDWARD CASHMAN.....	Spencerport, N. Y.
BANGSER, ADOLPH.....	Lebanon, Pa.
BELL, HAROLD KENNEDY.....	(Q) New York City
BERKOWITZ, LOUIS.....	(Bklyn) New York City
BETJEMANN, HENRY CARL.....	New York City
BIERMAN, HENRY.....	New York City
BLECHMAN, JOSEPH PETER.....	New York City
BLUM, JULIUS.....	New York City
BRANDAU, GEORGE JULIUS.....	(Bklyn) New York City
BRODIX, CHARLES RAYMOND, Jr.....	New York City
BRODIX, JOHN WEEDMAN.....	New York City
CAMPBELL, BERNARD.....	New York City
CARPENTER, WILLIAM MORGAN.....	New York City
CHAPIN, HENRY EAGLE.....	(R) New York City
CHELIMER, HARRY JOSHUA.....	New York City
COHEN, ABRAHAM BRODERICK.....	(Bklyn) New York City
COLLINS, EDWARD T.....	Tarrytown, N. Y.
COLLINS, KENNETH BENEDICT.....	New York City
COMBES, ABBOTT C., Jr.....	(Q) New York City
COMSTOCK, GEORGE FREDERICK.....	New York City
COWEN, ARTHUR RALPH.....	New York City
DICKEY, FRANK ALEXANDER.....	New York City
DOERNBERG, WALTER S.....	New York City
DOX, RALPH WATSON.....	Lockport, N. Y.
EDELSTEIN, ELIAS ALEXANDER.....	New York City
EGBERT, HARRY DREW.....	New York City
ELLENBOGEN, MAURICE GEORGE.....	Troy, N. Y.
FLANAGAN, WILL ADAMS.....	New York City
FORSCH, HERBERT.....	New York City
FUCHS, SAMUEL ALEXANDER.....	(Br) New York City
GOETZ, NORMAN S.....	New York City
GORDON, PERCY ADOLPHUS.....	Guttenberg, N. J.
HAIGHT, JOHN MCVICKAR.....	Garrison-on-Hudson, N. Y.
HALL, FRANK CLARK.....	Virginia City, Mont.
HARRINGTON, M. RAYMOND.....	New York City
HARTMAN, WALTER.....	New York City
HASKELL, ROBERT HENRY.....	Portland, Me.
HENES, EDWIN, Jr.....	New York City
HERZBERG, MAX JOHN.....	Newark, N. J.
HETHERINGTON, FERRIS SANDS.....	New York City
HILL, GEORGE CORNELIUS.....	Mahopac Falls, N. Y.

HOLTER, PAUL CHARLES HENRY.....	Jersey City, N. J.
HOPKINS, FRANK L.....	Yonkers, N. Y.
HOPPING, ALLEN TILTON.....	New York City
ISENBURG, ARTHUR.....	(Bklyn) New York City
JACKSON, CHARLES FREDERICK HAVEMEYER.....	Westchester, N. Y.
JACOBS, SYDNEY BRADSHAW.....	London, England
KEHRLEIN, EMIL VALENTINE, Jr.....	New York City
KELLEY, WALTER EDWARD.....	New York City
KIRK, EDWIN.....	New York City
KNIGHT, WILLIAM D.....	Waterloo, N. Y.
LEVY, ARTHUR SAUL, Jr.....	New York City
LEVY, BERTRAM.....	New York City
LEWINE, HIRAM SIDNEY.....	New York City
LIEBLER, THEODORE AUGUST, Jr.....	Riverside, Conn.
LUKENS, EDWARD FRENCH.....	Fort Wayne, Ind.
MARCUS, CHARLES.....	New York City
MARSTON, JAMES PHILIP.....	Hallowell, Me.
MARTLAND, RALPH.....	Newark, N. J.
MASTERTON, ROBERT COOLIDGE.....	New York City
MILLER, DONALD H. T.....	Binghamton, N. Y.
MILLER, ROBERT M.....	New York City
MINKIN, JACOB.....	New York City
MITCHELL, WILLIAM SPINGLER.....	New York City
MOORE, RALPH CHARLES BELCHER.....	Chatham, N. J.
MORI, VICTOR WILLIAM.....	New York City
PALMBLAD, HARRY VICTOR EMANUEL.....	(Bklyn) New York City
PALMER, WILLIAM GRANT.....	New York City
PARKS, JAMES LEWIS, Jr.....	New York City
PEISER, DELWYN W.....	New York City
PERRINE, HAROLD.....	New York City
PIERREPONT, SETH LOW.....	(Bklyn) New York City
RANDOLPH, FREDERIC COZZENS FITZ.....	New York City
RAPHAEL, ANGUS MATTHEWS.....	New York City
REGES, CHARLES HENRY.....	(Q) New York City
RICHTER, STANLEY LASKER.....	New York City
ROSENBLATT, BERNARD ABRAHAM.....	New York City
SCHERMERHORN, JOHN EGMONT, Jr.....	New York City
SCHREIBER, WILLIAM.....	New York City
SCHWARZ, WALTER MAX.....	New York City
SHAPIRO, REUBEN.....	Cleveland, Ohio
SNYDER, THOMAS ELLIOTT.....	New York City
SOLOMON, MICHAEL.....	New York City
SPENCER, CHARLES BURR.....	(Br) New York City
STEINFELD, ALBERT.....	New York City
SWORDS, ALBERT TWOMBLY.....	New York City
TACHNA, MAX.....	New York City
TAYLOR, JOHN H.....	New York City
VEHSLAGE, HAROLD EDWIN.....	New York City
WEBB, CAROLUS ROE.....	Glen Ridge, N. J.
WECHSLER, LAWRENCE A.....	New York City
WEIL, PERCIVAL LEOPOLD.....	New York City
WICKE, CARL.....	New York City
WOLF, LEONARD JAMES.....	New York City
WORMSER, ISAAC MAURICE.....	New York City
WUPPERMANN, CARLOS SIEGERT.....	New York City
ZONS, FREDERICK WILLIAM.....	(Q) New York City

The enrolment of the following in this class has been delayed:

APLINGTON, HORACE THURBER.....	New York City
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BOLLES, FREDERICK NATHAN.....	Newark, N. J.
BRADLEY, EDWARD F.....	New York City
CONRIED, RICHARD GÉNÉE.....	New York City
EGAN, JOSEPH LEO.....	New York City
JABINE, WILLIAM.....	Yonkers, N. Y.
McKINLAY, CHARLES MILES.....	Tenafly, N. J.
MITCHELL, CORNELIUS VON ERDEN.....	New York City
NORRIS, GEORGE.....	(Bklyn) New York City
REANEY, GEORGE HUMES.....	New York City
WALBRIDGE, DUDLEY HUNT.....	New York City
Total.....	III

SOPHOMORES—CLASS OF 1908

ALEXANDER, TOM MACKENZIE.....	New York City
ALLEN, WILLIAM HENRY, JR.....	(Bklyn) New York City
BAGLEY, GEORGE JARDINE.....	Rahway, N. J.
BAGNELL, ROBERT HAROLD.....	New York City
BANKS, HAROLD PURDY.....	New York City
BASSETT, EARL JULIAN.....	Rockville Centre, L. I.
BERLINER, LEE HERBERT.....	New York City
BESSIE, ABRAHAM.....	Wahpeton, No. Dakota
BILLINGSLEY, PAUL.....	(Bklyn) New York City
BISCH, LOUIS EDWARD.....	(Bklyn) New York City
BLOCK, MAX.....	(Bklyn) New York City
BLOOM, ISIDORE.....	Toronto, Ontario, Canada
BLUMBERG, HENRY.....	(Bklyn) New York City
BONNLANDER, VINCENT CHARLES.....	(Bklyn) New York City
BOORMAN, KITCHELL MONCKTON.....	New York City
BRADY, WILLIAM GAGE, JR.....	New York City
BRAININ, CLEMENT S.....	New York City
BRANDLEY, WALTER GEORGE.....	Newark, N. J.
BRECK, WILLIAM ROGERS.....	New York City
CELLA, CARLO DOMENICO.....	Hoboken, N. J.
CHENEY, CLARENCE ORION.....	New York City
CHODOROV, FRANK.....	New York City
COHN, MICHAEL MARTIN.....	Buffalo, N. Y.
COHN, WALTER WILLIAM.....	Buffalo, N. Y.
CONTENT, HAROLD AUGUSTUS.....	New York City
CURRAN, ARTHUR.....	New York City
CUTTING, VICTOR WILLARD.....	(Bklyn) New York City
EARLE, GUYON LOCK CROCHERON.....	New York City
EASTMAN, WILLIAM.....	Roslyn, N. Y.
EPSTEIN, MAURICE.....	New York City
FARRELLY, S. VALENTINE.....	Morristown, N. J.
FISH, HARRY POTTER.....	New York City
FRANK, JEROME A.....	New York City
FRÖHLICH, LOUIS DAVID.....	New York City
GOLDBLATT, HAROLD MILTON.....	New York City
GOODKIND, MORRIS.....	New York City
GOODMAN, EDWARD.....	New York City
GRIFFIN, ERNEST FREELAND.....	Tarrytown, N. Y.
GUGGENHEIM, EDMOND A.....	New York City
HAGEMANN, ROBERT HERMAN, JR.....	(Bklyn) New York City
HARLAM, ELWOOD J.....	New York City
HARRISSON, LESTER.....	(Bklyn) New York City
HERRMANN, ALFRED.....	New York City
HERTS, B. RUSSELL.....	New York City
HIGGINS, FREMONT AMASA.....	New York City

HIMELHOCH, ISRAEL.....	Caro, Mich.
HOLTZOFF, ALEXANDER.....	New York City
HOYT, NATHANIEL STANISLAUS.....	New York City
JAKUES, GEORGE WASHINGTON, Jr.....	Elizabeth, N. J.
JONES, CLARENCE RAY.....	Norway, N. Y.
JOSEPH, J. ARTHUR, Jr.....	New York City
KELLOGG, WILLIAM ALVIN, Jr.....	New York City
KOBBS, FREDERICK WILLIAM.....	New York City
LAU, ROBERT FREDERICK.....	New York City
LEE, ARTHUR M., Jr.....	New York City
LEUCHS, FREDERICK ADOLPH HERMAN.....	New York City
LEWIS, LEICESTER CROSBY.....	New York City
LICHTER, BENJAMIN ABRAHAM.....	New York City
MCCALL, JOHN FRANCIS.....	New York City
McELWEE, ROY SAMUEL.....	Berlin, Germany
MABEE, WINFRED SCRIBNER.....	Paterson, N. J.
MACGREGGY, WILLIAM JOHN.....	New York City
MACKENZIE, GEORGE MINER.....	New York City
MARSHALL, ROBERT PALMER.....	New York City
MASTIN, ROBERT RIPLEY.....	Piermont, N. Y.
MAYER, CHARLES.....	New York City
MILLER, HYMAN RUDOLPH.....	(Bklyn) New York City
MONTGOMERY, AUSTIN P.....	(Q) New York City
MURPHY, WILLIAM DEACON.....	New York City
MURRAY, THEODORE ROOSEVELT.....	New York City
OLINGER, HENRY CÆSAR.....	New York City
OLIVER, CLARENCE WILBERFORCE.....	East Orange, N. J.
O'MAHONEY, JOSEPH C.....	(Q) New York City
OSTERHOUT, WILLIAM BURGESS.....	Freeport, N. Y.
OTIS, ARTHUR HAMILTON.....	New York City
PALMER, HAROLD.....	New York City
POLL, DANIEL.....	(Bklyn) New York City
PORTER, EDWARD EVELYN.....	New York City
RIEDEL, HARRY.....	New York City
RINDGE, FRED HAMILTON.....	New York City
ROBIE, MARSHALL.....	Oradell, N. J.
ROLKER, CHARLES M., Jr.....	New York City
ROMAGNA, ANTHONY JESSE.....	New York City
ROSE, WALTER JOSEPH.....	New York City
ROSENBAUM, EDWIN JOSEPH.....	Portsmouth, Va.
ROTHSCHILD, MARCUS A.....	Woodville, Miss.
ROUSE, EDWARD CURTIS.....	East Orange, N. J.
SALES, GROVER GRAUMAN.....	Louisville, Ky.
SAMUELS, ABRAHAM BERTRAM.....	New York City
SCHONBERG, MAX.....	New York City
SELIGMANN, ARTHUR WALTER.....	New York City
SHAPINSKY, ALVIN THEODORE.....	Louisville, Ky.
SHILL, EPHRAIM SAMUEL.....	New York City
SHIMMON, AGHASIE SAMUEL.....	Geogtapa, Persia
SKUTCH, IRA.....	(Bklyn) New York City
SLOANE, JOHN EYRE.....	South Orange, N. J.
SMITH, WILLIAM HARVEY, Jr.....	Mamaroneck, N. Y.
STOCK, JOHN W.....	New York City
SWARTWOUT, FRANK ROBERT.....	Scarsdale, N. Y.
TOWNSEND, EDWARD BENJAMIN.....	New York City
TUCHMANN, AARON.....	New York City
VAN TINE, ADDISON ALLEN.....	New York City
WALSH, CHARLES JOSEPH.....	(Bklyn) New York City

WARDLE, WINFIELD SCOTT, Jr.....	Orange, N. J.
WARE, FOSTER.....	New York City
WEAVER, PAUL.....	(Bklyn) New York City
WEINIG, ANTHONY JOSEPH.....	(Bklyn) New York City
WHEELER, DUDLEY I.	New York City
WHEELER, JOHN NEVILLE.....	Yonkers, N. Y.
WINCHELL, CLARENCE EDWARD.....	West Orange, N. J.
WINDELS, PAUL WILLIAM HENRY.....	(Bklyn) New York City
WISE, BYRD DOUGLAS.....	New York City
WISE, LOUIS ELSBERG.....	New York City
WOARMS, EDWIN HESS.....	New York City
WOLFERZ, LOUIS ERNST.....	(Bklyn) New York City
WOLFF, LOUIS JACOB.....	(Bklyn) New York City
WOOD, JAMES MACDONALD, Jr.....	(Bklyn) New York City
WOOD, WILLIAM LAWRENCE.	New York City
WOODBURY, WALTER BLIGH.....	Oneida, N. Y.
YOUNG, LEIGH JARVIS.....	Kirkwood, Mo.

The enrolment of the following in this class has been delayed:

BULL, GEORGE H.....	New York City
CRANE, THEODORE HUBERT.....	Yonkers, N. Y.
FEIGENBAUM, WILLIAM MORRIS.....	(Bklyn) New York City
FOWLER, HAROLD.....	New York City
HAUSER, JOHN ODELL.....	New York City
HEIMAN, JESSE.....	Little Rock, Ark.
HUNTINGTON, EDGAR IRVING.....	New York City
PARRAGA, FERNANDO URDANETA.....	New York City
PRINCE, JAMES FREDERICK.....	Yonkers, N. Y.
SMITH, ORISON HAMILTON.....	New York City
SNEVILY, HARRY MANSFIELD.....	(Bklyn) New York City
Total.....	131

FRESHMEN—CLASS OF 1909

ALBRECHT, JOSEPH ANTON.....	New York City
ALEXANDER, ARTHUR DOUGLAS.....	New York City
ALTERMAN, JACOB.....	New York City
APPEL, ALEXANDER.....	New York City
ARKUSH, JACOB ELLIS.....	New York City
ARMSTRONG, DONALD.....	New York City
BACH, RICHARD FRANK.....	New York City
BARAGWANATH, JOHN GORDON.....	New York City
BARBER, WILLIAM STEWARD.....	(Bklyn) New York City
BARNEKOV, JEFFERSON KIEL.....	New York City
BARTOW, LATHROP.....	New York City
BAUCHE, THOMAS HENRY.....	New York City
BAUM, ALBERT LOUIS.....	New York City
BERG, HUNTER VAN BEL.....	New York City
BISHOP, FRANK WARNER.....	New York City
BISSELL, PELHAM ST. GEORGE, Jr.....	Freeport, N. Y.
BLINN, OSCAR SAMUEL.....	(Bklyn) New York City
BLOOM, ISADORE.....	Harrisonburg, Va.
BRAINERD, HARRY BEARDSLEE.....	New York City
BREITENFELD, EMIL.....	New York City
BROWN, WILLIAM HORI, Jr.....	New York City
BURGESS, ELISH PAYNE JEWETT.....	New York City
CANE, WILLIAM G.....	New York City
CARPENTER, RHYS.....	New York City
CARROLL, CHARLES RIVERS.....	New York City

CHANALIS, MICHAEL NELSON.....	New York City
CHILD, ANDREW M., Jr.....	New York City
COBB, JAMES LIVINGSTON.....	(Bklyn) New York City
COHEN, HYMAN.....	New York City
COHEN, IRA.....	New York City
COLEMAN, MCALISTER.....	New York City
COPELAND, RALPH.....	(Bklyn) New York City
CRiado, ROGER F.....	New York City
CULMAN, CARL WILLIAM.....	New York City
DAWSON, FREDERICK THOMAS.....	New York City
DEACY, WILLIAM HENRY.....	Ossining, N. Y.
DROB, MAX.....	Pittsburg, Pa.
DURANT, DONALD.....	New York City
DWYER, CHARLES EUSTACE.....	New York City
EDWARDS, LE ROY GARDINER.....	East Marion, N. Y.
EPSTEIN, LEWIS.....	Hunter, N. Y.
FOWLER, ROBERT LUDLOW, Jr.....	New York City
FOX, IRVING JOSEPH.....	New York City
FRASER, LEON.....	New York City
GIBSON, LEON WELLS.....	Newark, N. J.
GILLIES, JAMES.....	Montclair, N. J.
GLEN, JOHN GORDON.....	(Bklyn) New York City
GOLDE, WALTER HERMANN JULIUS.....	(Bklyn) New York City
GOLDEN, HERMAN.....	New York City
GOLDSMITH, FREDERICK I.....	New York City
GOODWIN, GEORGE MUNRO.....	(R) New York City
GRANT, EDWARD JOHN.....	New York City
GRAY, JAMES EAKINS.....	(Bklyn) New York City
GREEN, FREDERIC WARREN.....	New York City
GREENBAUM, WILLIAM E.....	Bridgeport, Conn.
GRIFFIN, PERCY FRANK.....	New York City
GUERNSEY, GROVER CLEVELAND.....	East Cobleskill, N. Y.
GUTMAN, MELVIN.....	New York City
HALSEY, RAYMOND DRAKE.....	Southampton, N. Y.
HAMMOND, HAROLD ORVIS.....	New York City
HANRAHAN, JOHN GEORGE, Jr.....	New York City
HANSON, GEORGE CHRISTOPHER.....	(Bklyn) New York City
HAYES, FRANCIS HENRY, Jr.....	New York City
HEIDELBERGER, MICHAEL.....	New York City
HERSHENSTEIN, CHARLES.....	Jersey City, N. J.
HERTS, HAROLD HENRY.....	New York City
HESS, MORTIMER HENRY.....	New York City
HOYT, HARRY ORLANDO.....	Minneapolis, Minn.
KÄTZ, EDGAR JESSE.....	New York City
KAYSER, CARL EBERHARD.....	New York City
KELLER, WILLIAM B., Jr.....	New York City
KELLY, EUGENE EDMUND.....	(Bklyn) New York City
KENNEDY, CHARLES FREDERICK.....	New York City
KIMBEL, WILLIAM ANTHONY.....	New York City
KINGSLAND, GEORGE LOVETT.....	New York City
KOO, VI KYUIN WELLINGTON.....	Shanghai, China
KUDLICH, BRUNO.....	New York City
LATHAM, HAROLD STRONG.....	Arlington, N. J.
LEARY, DANIEL, Jr.....	New York City
LIEBOVITZ, SIDNEY.....	(Q) New York City
LIPPMANN, HERBERT MARKS.....	New York City
LITTLE, GORDON DOUGLAS.....	Little Falls, N. Y.
LOBECK, ALBERT ERNST.....	Haworth, N. J.

LODER, GEORGE EDWARD.....	Port Chester, N. Y.
LOENING, GROVER CLEVELAND.....	New York City
LOVEMAN, MICHAEL HEILPRIN.....	New York City
LÜHRS, IMMANUEL.....	Jersey City, N. J.
MCCOUN, FREDERIC HEWLETT, JR.....	New York City
McLAURY, FRANK S.....	New York City
McMASTER, ALBERT MARIAN COHN.....	New York City
MACKENZIE, JAMES CAMERON.....	Dobbs Ferry, N. Y.
MANGAN, JOHN JOSEPH.....	Kingston, N. Y.
MEAD, FREDERIC STEARNS.....	Arlington, Mass.
MEHLER, L.....	New York City
MELITZER, SAMUEL.....	New York City
MELVILLE, JOHN WARD.....	Setauket, N. Y.
MILKMAN, WALTER BERNARD.....	(Bklyn) New York City
MOORE, WILLIAM FRANKLIN.....	(Br) New York City
MORGAN, THOMAS CHARLES.....	(Bklyn) New York City
MORGAN, WENDELL R.....	Oneonta, N. Y.
MOSES, NATHAN BLOOM.....	Louisville, Ky.
MOSS, ARTHUR BRUCE.....	New York City
NAMMACK, CHARLES HALPIN.....	New York City
NATHAN, MILTON MORRIS.....	New York City
NEUSTADT, RICHARD MITCHELS.....	New York City
NIGHMAN, CLARE EDWIN.....	Bayonne, N. J.
NORDEN, NORRIS LINDSAY.....	New York City
NYE, BERTHOLD H.....	Yonkers, N. Y.
OAKLEY, THOMAS POLLOCK.....	Northport, N. Y.
O'CONNELL, JOHN JAMES, JR.....	(Bklyn) New York City
OGDEN, ALFRED.....	New York City
PAUL, WINSTON ALEXANDER.....	Jersey City, N. J.
PELL, WILLIAM HENRY D.....	New York City
PEYSER, HERBERT FRANCIS.....	New York City
PIEL, HENRY GOTTFRIED.....	New York City
REICHLING, GERARD ALSTON.....	(Bklyn) New York City
RICE, MARVIN.....	New York City
ROGERS, GAILLARD SHERBURNE.....	New York City
ROME, JAMES POOLE.....	New York City
ROTHSCHILD, LEOPOLD OPPER.....	New York City
ROUX, WILLIAM CHARLES.....	New York City
ROY, MALCOLM MILLER.....	Irvington-on-Hudson, N. Y.
SALSBURY, NATHAN.....	New York City
SALZANO, FRANCIS.....	New York City
SAN, LOUIS JAMES.....	Passaic, N. J.
SANDERS, BENTON.....	New York City
SCHAUL, JEROME.....	New York City
SCHERMERHORN, AMOS COTTING.....	New York City
SCHMID, ALFRED R.....	New York City
SCHULTZ, HAROLD SEELY.....	Florida, N. Y.
SEELEY, JOHN E.....	New Canaan, Conn.
SEGLIN, MAX.....	Bayonne, N. J.
SELLEW, WELLES HAMILTON.....	New York City
SHERWOOD, EUGENE HAROLD.....	Port Chester, N. Y.
SKINNER, HERBERT CALVIN.....	(Br) New York City
SMITHERS, FIDENCIO.....	New York City
SMYTHE, RICHARD HAVILAND.....	(Bklyn) New York City
STEINER, JOSEPH.....	Newark, N. J.
STEINMETZ, FREDERICK CHARLES.....	New York City
STEWART, CAMPBELL WHITE.....	Goshen, N. Y.
STRASBURGER, ALFRED.....	New York City

TAFF, PHILIP.....	New York City
TAYLOR, FREDERICK REUTER.....	Worcester, Mass.
TAYLOR, HAROLD WILLIAM.....	New York City
THOMPSON, ERNEST CHARLES.....	(Bklyn) New York City
TORTORI, ALBERT.....	New York City
TRIPP, WILLIAM ARTHUR.....	(Bklyn) New York City
TUTHILL, BURNET CORWIN.....	New York City
VAN RENSSELAER, BERNARD SANDERS.....	New York City
VOGEL, HARRY.....	New York City
WATSON, MORGAN DIX.....	New York City
WEIL, HERBERT.....	New York City
WILLIS, BENJAMIN.....	New York City
WOLFSON, EDWARD JOSEPH.....	New York City
Total.....	154

NON-MATRICULATED STUDENTS

Unclassified Candidates for a Degree

CAMPRUBI, RAYMOND AYMAR.....	New York City
CARMICHAEL, CYRIL.....	New York City
CLARKE, HARRY EDWARD.....	New York City
COMPTON, GEORGE BROKAW.....	New York City
COMSTOCK, MILES CHESTER.....	Utica, N. Y.
CUSHING, PERCY MARKS.....	Milwaukee, Wis.
DAVIDSON, WILLIAM BEATMAN.....	Dobbs Ferry, N. Y.
FERRIS, OLIVER BUNCE.....	Montclair, N. J.
FORMAN, ALFRED GILBERT.....	New York City
HANKE, EMIL OTTO JOSEPH.....	Cincinnati, Ohio
HARSON, HENRY NEWMAN.....	New York City
HODGKINSON, HAROLD H.....	Cleveland, Ohio
KENNEDY, WALTER WOODWARD.....	New York City
KILIANI, RICHARD BAYARD.....	New York City
KUNZ, GEORGE HANDPORTH.....	New York City
McCOY, PETER JOSEPH, JR.....	New York City
MAPELSDEN, REUBEN, JR.....	(Bklyn) New York City
MIDDLETON, CHARLES DAVIES SCUDDER.....	New York City
MILLER, C. BLACKBURN.....	New York City
MILLS, WALTER SANDS.....	New York City
MOCKRIDGE, RALPH WHITNEY.....	New York City
MORAN, ANTHONY T.....	New York City
MOSES, ALFRED STAUNTON.....	New York City
PAYNE, CLARENCE.....	San Francisco, Cal.
REED, LATHAM RALSTON.....	New York City
SCHOMBERG, PHILIP.....	New York City
SCHULDENFREI, HERBERT.....	Atlantic City, N. J.
SCHULDENFREI, LEWIS.....	Atlantic City, N. J.
STOIBER, HERBERT ALFRED.....	New York City
TURPIN, A.....	(Bklyn) New York City
WALTHER, JOHN WOODWARD.....	(Q) New York City

Irregular Students

AMMERMAN, STEPHEN LEWIS.....	(Br) New York City
BRAASTAD, JULIUS NORMAN.....	Ishpeming, Mich.
ELLIS, RALPH B.....	New York City
GRAY, M.....	New York City
HAHN, RUDOLPH.....	Cornwall-on-Hudson, N.Y.
HARRIS, WILLIAM, JR.....	New York City
JENKS, EDWIN MUNROE.....	(Bklyn) New York City

SUMMARY

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KELTNER, ROBERT HOMER.....	Anderson, Ind.
MILLER, ALLEN GREGORY.....	New Orleans, La.
MITCHELL, J. V. B.....	New York City
MOSLE, MAXIMILAN ALEXANDER.....	New York City
RHODES, LOVELL.....	Plainfield, N. J.
RICHARDS, HAROLD A.....	Milwaukee, Wis.
WAYE, WILLIAM, JR.....	St. Charles, Mo.
WHITE, JOHN LANDERS.....	Indianapolis, Ind.
Total.....	46

SUMMARY

Seniors—Class of 1906.....	111
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SCHOOL OF LAW

OFFICERS OF INSTRUCTION AND GOVERNMENT

Officers of the Faculty

GEORGE W. KIRCHWEY, A.B.....	<i>Dean and ex-officio Member of the University Council</i>
HENRY S. REDFIELD, LL.D.....	<i>Secretary</i>
FRANCIS M. BURDICK, LL.D.....	<i>(term expires 1907) Elected Delegate to the University Council</i>

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., Litt.D. (Oxon.)	<i>President</i>
FRANCIS M. BURDICK, LL.D.....	<i>Dwight Professor of Law</i>
GEORGE W. KIRCHWEY, A.B.....	<i>Kent Professor of Law</i>
GEORGE F. CANFIELD, A.B., LL.B.....	<i>Professor of Law</i>
HENRY S. REDFIELD, A.M., LL.D.....	<i>Nash Professor of Law</i>
CHARLES THADDEUS TERRY, A.B., LL.B.....	<i>Professor of Law</i>
JAMES B. SCOTT, A.M., J.U.D.....	<i>Professor of Law</i>
WILLIAM C. DENNIS, A.M., LL.B....	<i>Adjunct Professor of Law</i>

Other Officers

ALFRED HAYES, Jr., LL.B., A.M.....	<i>Tutor</i>
JACKSON E. REYNOLDS, A.B., LL.B.....	<i>Lecturer</i>
JOHN M. WOOLSEY, A.B., LL.B.....	<i>Lecturer</i>

From the Faculty of Political Science

JOHN W. BURGESS, Ph.D., LL.D....	<i>Ruggles Professor of Political Science and Constitutional Law</i>
MUNROE SMITH, J.U.D., LL.D.....	<i>Professor of Roman Law and Comparative Jurisprudence</i>
FRANK J. GOODNOW, LL.D.....	<i>Eaton Professor of Administrative Law and Municipal Science</i>
JOHN B. MOORE, LL.D.....	<i>Hamilton Fish Professor of International Law and Diplomacy</i>

PURPOSES OF THE SCHOOL

The design of the School of Law is to afford a thorough, practical, and scientific education in the principles of:

The common and statute law of the United States.

The English and American system of equity jurisdiction.
The public law of the United States and Europe.
The Roman law—ancient and modern.
Theoretical and comparative jurisprudence.

PROGRAM OF STUDIES

First Year

CONTRACTS—Keener's Cases on Contracts. 4 hours. Professor TERRY

CRIMINAL LAW—Beale's Cases on Criminal Law. 3 hours, first half-year. Professor SCOTT

ELEMENTS OF LAW—3 hours, first half-year. Professor MUNROE SMITH

EQUITY: Origin and Nature, Bills of Peace, Interpleader, Quia Timet, Removal of Cloud upon Title, Jurisdiction over Torts—Keener's Cases on Equity, vol. 1. 3 hours, second half-year. Professor DENNIS

PLEADING AND PRACTICE: Organization and Functions of Courts. Common Law Pleading—Ames's Cases on Common Law Pleading; Perry on Common Law Pleading. 3 hours, second half-year. Professor REDFIELD

REAL AND PERSONAL PROPERTY: Personal Property, Tenures, Estates, Nature and Incidents of Ownership, Kirchwey's Readings in Real Property; Gray's Cases on Property, vol. 1, 2d ed. 2 hours. Professor KIRCHWEY

TORTS—Burdick's Cases on Torts (3d ed.); Burdick on Torts. 2 hours. Professor BURDICK

Second Year

ADMIRALTY—Ames's Cases on Admiralty. 2 hours, second half-year. Professor SCOTT

AGENCY—Wambaugh's Cases on Agency. 3 hours, first half-year. Mr. REYNOLDS

BAILEMENTS AND CARRIERS—Beale and Wyman's Cases on Public Service Companies. 3 hours, second half-year. Mr. REYNOLDS

BANKRUPTCY AND INSOLVENCY—Williston's Cases on Bankruptcy. 2 hours, second half-year. Professor BURDICK

DAMAGES—Beale's Cases on Damages. 2 hours, first half-year. Mr. HAYES

* DOMESTIC RELATIONS—Smith's Cases on Persons. 2 hours, first half-year. Professor SCOTT

EQUITY—Ames's Cases on Equity. 2 hours. Professor DENNIS

* INSURANCE—Richards on Insurance. 2 hours, first half-year. Professor BURDICK

* Omitted in 1905-06.

NEGOTIABLE PAPER—Ames's Cases on Bills and Notes. 2 hours. Professor CANFIELD

PLEADING AND PRACTICE: Equity and Code Pleading—Redfield's Cases on Code Pleading and Practice. Thompson's Cases on Equity Pleading. New York Code of Civil Procedure. 2 hours. Professor REDFIELD

QUASI-CONTRACTS—Scott's Cases on Quasi-Contracts. 3 hours, first half-year. Professor SCOTT

REAL AND PERSONAL PROPERTY: Easements, Covenants affecting Land, Watercourses, Public Rights, etc.—Gray's Cases on Property, vols. 2 and 3. 2 hours. Professor KIRCHWEY

SALES OF PERSONAL PROPERTY—Burdick's Cases on Sales (2d ed.); Burdick on Sales (2d ed.). 2 hours. Professor BURDICK

ADMINISTRATIVE LAW, of the United States and Europe. 2 hours, first half-year. Professor GOODNOW

LAW OF OFFICERS—Extraordinary Legal Remedies—Mandamus, Quo Warranto, Certiorari, Habeas Corpus, etc. 2 hours, second half-year. Professor GOODNOW

COMPARATIVE CONSTITUTIONAL LAW. 2 hours. Professor BURGESS
INSTITUTES OF ROMAN LAW. 2 hours. Professor MUNROE SMITH

Third Year

CORPORATIONS—Keener's Cases on Corporations. 2 hours. Professor CANFIELD

EQUITY: Jurisdiction over Contracts, Accounts, Equitable Conversion—Keener's Cases on Equity, vols. 2 and 3. 2 hours. Mr. WOOLSEY

EVIDENCE—Thayer's Cases on Evidence. 2 hours. Professor DENNIS

MORTGAGES—Kirchwey's Cases on Mortgage. 3 hours, first half-year. Professor SCOTT

PARTNERSHIP—Burdick's Cases on Partnership; Burdick on Partnership. 2 hours. Professor BURDICK

PLEADING AND PRACTICE: Code Practice, Provisional Remedies, Judgments, etc. 3 hours, first half-year. Professor REDFIELD

REAL AND PERSONAL PROPERTY: Conditions, Future Estates, Priorities, Restraints on Alienation, Perpetuities, etc.—Gray's Cases on Property, vols. 5 and 6. 2 hours. Professor KIRCHWEY

SURETYSHIP—Ames's Cases on Suretyship. 2 hours, second half-year. Professor SCOTT

TRUSTS AND PERPETUITIES—Under the Revised Statutes of New York. 2 hours, second half-year. Professor CANFIELD

WILLS AND ADMINISTRATION—Gray's Cases on Property, vol. 4. 3 hours, second half-year. Professor REDFIELD

AMERICAN CONSTITUTIONAL LAW—Private Rights under the Constitution. 2 hours. Professor BURGESS

CONFLICT OF LAWS. 1 hour. Professor JOHN BASSETT MOORE

HISTORY OF EUROPEAN LAW. 2 hours. Professor MUNROE SMITH

INTERNATIONAL LAW. 2 hours. Professor JOHN BASSETT MOORE

MUNICIPAL CORPORATIONS. 2 hours, first half-year. Professor GOODNOW

MODERN CIVIL LAW. 1 hour. Professor MUNROE SMITH

LAW OF TAXATION. 2 hours, second half-year. Professor GOODNOW

Carpentier Lectures

The University has recently received a fund, the gift of General H. W. Carpentier of the Class of 1848, established in memory of his brother, James S. Carpentier, for the purpose of maintaining "a special course of lectures on the science of law, to be given at the University at least as often as every third year, by some one from time to time to be chosen for pre-eminent fitness and ability."

The first course of lectures on this foundation was delivered in the fall of 1904, by the Rt. Hon. James Bryce, D.C.L., LL.D., M.P., on the subject "LAW IN ITS RELATIONS TO HISTORY."

Practice Courts

Moot Courts, conducted with special reference to the courses in pleading and practice, will constitute a regular feature of the work of the second and third years. They will be under the supervision of Mr. HAYES.

Requirements for Admission

To the First-Year Class

All applicants for admission to the school must present satisfactory evidence of good moral character, and must be at least eighteen years of age for admission to the work of the first-year class at its formation, and of a corresponding increase of age for admission to advanced standing. All students are admitted subject to the provisions of the Statutes of the University in regard to discipline.

Graduates of colleges and scientific schools in good standing are admitted without examination. All persons other than such graduates must present satisfactory evidence of preliminary training, obtained in higher institutions of learning in this country or abroad, equivalent to that of a full college course.

To Advanced Standing

Students complying with the above requirements for admission to the School, who have, in addition, successfully pursued the study of law for at least a year in an approved law school, may, on examination giving satisfactory evidence of proficiency in the studies of the first year, be admitted to advanced standing as members of the second-year class. No school admitting its graduates to a degree in law on

less than three years of systematic law-school work will be recognized as satisfying this requirement.

No one will be admitted to advanced standing beyond the second year except by special vote of the Faculty.

The examinations for advanced standing cover all the work previously done by the class to which admission is sought, and are held at the end of the academic year and during the week preceding the opening of the fall term. No certificate or diploma of work done elsewhere will be accepted in lieu of these examinations.

As Non-Matriculated Students

In exceptional cases qualified persons not candidates for the degree of LL.B., who are not eligible under this rule, may be admitted as non-matriculated students by vote of the Faculty. No one will be admitted to the School to pursue advanced work as a non-matriculated student who has not passed satisfactory examinations in the contract, equity, and property courses preceding such work in point of time.

The Curriculum

The curriculum leading to the degree of Bachelor of Laws covers a period of three years. The work of the first year is prescribed. All the courses of the second and third years are elective. Courses not taken in the second year may be elected as a part of the work of the following year, but third-year courses will not in general be open to second-year students. A few courses are given only in alternate years. These may be taken both by second- and third-year students.

Registration is limited to courses taken for a degree, and students will be held responsible for the satisfactory completion of all courses for which they are registered.

The work selected by a law student is subject in every case to the approval of the Dean.

Examinations

Written examinations are held at the end of each academic year on the subjects of that year.

All students, whether matriculated or non-matriculated, must, unless excused by the Dean, present themselves for examination in all the subjects for which they are registered at the first examination held therein, and, in case of excuse from any examination, must take the next examination offered in such subject. Students are not permitted to take examinations in courses for which they are not regularly registered.

At all stated examinations the standing of students will be indicated by the letters A, B, C, D, and F, representing *Excellent*, *Good*, *Fair*, *Poor*, and *Failure*, respectively. These grades will be part of the record of the students in the office of the Registrar and will be reported to them as soon as possible after each examination.

No student is admitted to the second-year class who is deficient in more than four hours of the work of the first year. No student will be admitted to the third-year class who is deficient in any subject of the first year or in more than one full course or in more than two half-year courses of the second year.

No student failing in any subject will be permitted to take a second examination therein without having again taken the course in which such failure occurred, nor will any student failing a second time in any subject be allowed to continue in the School except by special vote of the Faculty.

Non-matriculated students must pass satisfactory examinations in not less than 75 per cent. of the work for which they are registered, as a condition of continuing in the School.

No other examinations are given.

DEGREES

Bachelor of Laws

The required work for the degree of Bachelor of Laws consists of 84 points, each point representing the satisfactory completion of work requiring attendance one hour a week for one half-year.

No student may take less than twenty nor more than thirty points in any year without the consent of the Dean.

Not more than one full course nor more than two half-year courses in which the student receives a mark of D may be counted toward a degree in any one year.

No student failing in any subject on the final examination of his class will be admitted to the degree unless within two years of such failure he presents himself for re-examination and receives a mark of C, at least, therein.

Non-matriculated students who have been members of the School for at least two years may become eligible for the degree if they shall have attained an average of B in all the work prescribed therefor.

Scholarships

(See Table of Contents)

Fees

(See page 24)

Law Library

The law library has been greatly extended and improved, and now consists of upwards of about 30,000 volumes, which have been carefully selected to meet the wants of students. It is especially rich in American, English, and British Colonial reports.

The general Library of the University, consisting of upwards of 380,000 volumes (see page 31), contains extensive collections of works relating to international, public, and Roman law.

REGISTER OF STUDENTS

School of Law

THIRD YEAR—CLASS OF 1906

ADAMS, WILLIAM CLARK.....	Wooster, Ohio University of Colorado, Ph.B., 1902.
ANSORGE, MARTIN CHARLES.....	New York City Columbia University, A.B., 1903.
BEEKMAN, HENRY RUTGERS.....	New York City Columbia University, A.B., 1903.
BENNETT, JAMES STARK.....	Pomona, Cal. Pomona College, B.L., 1903. Columbia University, A.M., 1905.
BLAKE, CLINTON HAMLIN, Jr.....	Englewood, N. J. Columbia University, A.B., 1904; A.M., 1905.
BLUMBERG, SAMUEL.....	New York City College of the City of New York, B.S., 1903.
BOLLES, JOHN ALBERT.....	Kortright, N. Y. Union College, A.B., 1903.
BOVEY, JOHN MASTERS, Jr.....	New York City Columbia University, A.B., 1904.
BROWN, HENRY LINN.....	New York City
BRUNER, HOWARD EDWIN.....	Rayne, La. Louisiana State University, A.B., 1903. Columbia University, A.M., 1905.
BULKLEY, HENRY DAGGETT.....	East Orange, N. J. Columbia University, A.B., 1904.
BUSHONG, ROBERT GREY.....	Reading, Pa. Yale University, A.B., 1903.
CALLAHAN, GEORGE JOHN.....	New York City
CANTRELL, LEWIS MEANS.....	Spartanburg, S. C. Wofford College, A.B., 1903.
CHARD, STANDISH.....	New York City Amherst College, A.B., 1902.
CLARK, JOSHUA REUBEN, Jr.....	Salt Lake City, Utah University of Utah, B.S., 1898.
COAN, RALPH ALONZO.....	Boulder, Colo. University of Colorado, A.B., 1904.
COLE, FRANK CLAYTON.....	Ravenna, Ohio Ohio Wesleyan University, A.B., 1903.
COOPER, CURTIS CALVIN.....	Guthriesville, Pa. Delaware College, A.B., 1902.
CRONE, HARRY.....	New York City College of the City of New York, B.S., 1902. Columbia University, A.M., 1905.

- CUSTER, GEORGE ARMSTRONG..... Missoula, Mont.
Wooster University, A.B., 1900.
- CUTLER, HUGH DYSART.....Cocaque, Canada
Cornell University, A.B., 1902.
- DAVIS, ABRAHAM MOSES.....New York City
Columbia University, A.B., 1904.
- DIXON, BENJAMIN FRANKLIN, Jr.....Raleigh, N. C.
Trinity College, A.B., 1903.
Columbia University, A.M., 1905.
- ELGAR, HAROLD BENJAMIN.....New York City
Columbia University, A.B., 1904.
- FORD, F. GUALDO.....Morristown, N. J.
- GANS, JULIUS.....Chicago, Ill.
Yale University, A.B., 1903.
- GARLOCK, MORGAN BIDDLEMAN.....Little Falls, N. Y.
Cornell University, A.B. 1904.
- GARRETSON, LELAND BEEKMAN.....Morristown, N. J.
Princeton University, A.B., 1903.
- GOLDSMITH, IRVING ISLINGTON.....Saratoga Springs, N. Y.
Cornell University, A.B., 1903.
- GRAVENSHORST, PAUL GERHARD.....(Bklyn) New York City
Columbia University, A.B., 1904.
- GRIFFITH, JOHN MARTIN.....Evansville, Ind.
Cornell University, A.B., 1903.
- HARRIS, WILLIAM MARVIN.....Monticello, Ark.
University of Arkansas, A.B., 1903.
- HESS, JEROME SAYLES.....New York City
Yale University, A.B., 1903.
- HIGGINS, JAMES CRANE.....East Orange, N. J.
Yale University, A.B., 1902.
- HOENNINGER, JOHN CHARLES.....New York City
St. John's College, A.B., 1905.
- HOFFMAN, FRANK KNODE.....Hagerstown, Md.
Franklin and Marshall College, A.B., 1903.
- HOFHEIMER, HENRY.....New York City
College of the City of New York, A.B., 1903.
- HORNIDGE, HENRY THATCHER.....New York City
College of the City of New York, A.B., 1903.
- HOUSTON, OSCAR REMPEL.....New York City
Columbia University, A.B., 1904.
- HURWITZ, DAVID EDWIN.....New York City
College of the City of New York, A.B., 1903.
- KELLOGG, JAMES YOUNG CORY.....Seattle, Wash.
- KILROE, EDWIN PATRICK.....Tanners Falls, Pa.
Columbia University, A.B., 1904; A.M., 1905.
- KOBBÉ, GEORGE LOUIS.....New York City
Harvard University, A.B., 1903.
- LAWRENCE, GEORGE ALFRED.....New York City
Leland Stanford, Jr., University, A.B., 1892.
Columbia University, M.D., 1895; A.M., 1896; Ph.D., 1902.
- LEIBENDERFER, RALPH JOHN.....Dayton, Ohio
Princeton University, A.B., 1902.
- LOENING, RUDOLPH RUBINO.....New York City
Columbia University, A.B., 1904; A.M., 1905.

- MALMBERRY, THEODORE JAMES WILLIAM.....New York City
Columbia University, A.B., 1904; A.M., 1905.
- MARCUS, SAMUEL SHNAER.....(Br) New York City
College of the City of New York, A.B., 1903.
- MCGEEHEE, ABNER, JR.....Little Rock, Ark.
University of Arkansas, A.B., 1903.
- McKENNA, BERNARD CHARLES.....Long Branch, N. J.
Georgetown University, A.B., 1903
- McMAHON, EDWARD WARD.....(Q) New York City
Holy Cross College, A.B., 1903.
- MEISEL, ALBERT WORTHINGTON.....(Bklyn) New York City
Brooklyn Polytechnic Institute, A.B., 1902.
Columbia University, A.M., 1905.
- MEYER, GEORGE A.....Humphrey, Neb.
Fremont Normal College, B.S., 1901.
- MICHAELIS, WILLIAM.....New York City
College of the City of New York, A.B., 1903.
- MORROW, WILLIAM CARR.....Portland, Ore.
Leland Stanford Junior University, A.B., 1901.
- MOUNT, RUSSELL THEODORE.....East Orange, N. J.
Princeton University, A.B., 1902.
- MYERS, GEORGE.....New York City
College of the City of New York, A.B., 1903.
- NOHOWEL, FRANK P.....Sayville, L. I.
- NOVOTNY, CLARENCE JOHN.....Yankton, So. Dakota
Yankton College, Ph.B., 1903.
- O'LOUGHLIN, GERALD STUART.....New York City
Columbia University, A.B., 1903; A.M., 1905.
- O'SHEA, AMBROSE LUDDEN.....Utica, N. Y.
Holy Cross College, A.B., 1903.
- PARKER, WAYNE DEE.....Rensselaer, Ind.
Butler College, A.B., 1903.
University of Chicago, Ph.B., 1903.
- PINKS, JAMES LESLIE.....Clarion, Pa.
Indiana University, A.B., 1903.
- RAGSDALE, WILLIAM WHEAT.....Franklin, Ind.
Indiana University, A.B., 1903.
- RICHTER, THEODORE BERTRAM.....New York City
College of the City of New York, A.B., 1902.
Harvard University, A.B., 1903.
- RIGGS, LAWRASON, JR.....New York City
Columbia University, A. B., 1903.
- ROBERTS, RICHARD JOEL.....Sabetha, Kansas
De Pauw University, Ph.B., 1895.
- ROBINSON, JAMES LATIMER.....(Bklyn) New York City
Columbia University, A.B., 1904.
- SCHLEY, REEVE.....New York City
Yale University, A.B., 1903.
- SCHROEDER, RUDOLPH.....Hoboken, N. J.
Columbia University, A.B., 1903.
- SCHWEGLER, FREDERICK HENRY.....New York City
- SHORT, HENRY BLOUNT, JR.....Lake Waccamaw, N. C.
University of North Carolina, A.B., 1902.
Columbia University, A.M., 1905.

SMITH, CLAUDE ARCHER.....	Owensville, Ind. Indiana University, A.B., 1903.
SOLOTAROFF, DAVID HERTZ.....	New York City College of the City of New York, A.B., 1902.
SPRINGS, ALBERT ADAMS, JR.....	Georgetown, S. C. South Carolina College, A.B., 1902. Columbia University, A.M., 1905.
STERN, HARRY ROOT.....	New York City Yale University, A.B., 1903.
STOWELL, HENRY WHITNEY.....	New Haven, Conn. Harvard University, A.B., 1899.
SWARTS, LOUIS EMANUEL.....	New York City Harvard University, A.B., 1903.
SWORTFIGUER, HENRY BRAGDON.....	New York City Columbia University, A.B., 1904.
THEIL, SIGMUND SIDNEY.....	(Br) New York City College of the City of New York, A.B., 1903.
TROY, ANDREW CHARLES FRANCIS.....	(Bklyn) New York City Cornell University, A.B., 1903.
TRAUX, HARRY.....	Long Branch, N. J.
UNGER, WILLIAM FRANK.....	New York City College of the City of New York, A.B., 1902.
UPDIKE, EDWIN HOYT.....	Mamaroneck, N. Y. Columbia University, A.B., 1904; A.M., 1905.
VON BERNUTH, RUDOLPH LUDWIG.....	New York City Columbia University, A.B., 1903; A.M., 1905.
WALLSTEIN, LEONARD MICHAEL.....	New York City Columbia University, A.B., 1903.
WALZ, JACOB.....	New York City Columbia University, A.B., 1904.
WEIL, JULIUS.....	Lincoln, Neb. University of Nebraska, LL.B., 1903.
WYATT, CHRISTOPHER BILLOPP.....	New York City Columbia University, A.B., 1903.
YANCEY, GEORGE WILLIAM.....	Birmingham, Ala.
ZINSLER, JACOB JOSEPH.....	New York City College of the City of New York, A.B., 1903.

Third Year—Class of 1906.....92

SECOND YEAR—CLASS OF 1907

ARMSTRONG, DAVID.....	Rahway, N. J. Columbia University, A.B., 1901.
BAUM, ARTHUR BERNARD.....	New York City College of the City of New York, A.B., 1904.
BEACH, WESLEY HERMAN.....	Colton, Cal. Leland Stanford Junior University, A.B., 1900.
BILLINGSLEY, HORACE MCCOOK.....	Lisbon, Ohio Kenyon College, A.B., 1904.
BROWER, FARRAND DODD.....	New York City Columbia University, A.B., 1901.
BRYANT, WILLIAM SIDNEY, JR.....	New York City Columbia University, A.B., 1904.
BYRDE, EDWARD DUDLEY.....	New York City Cornell University, A.B., 1904.

BUCK, KARL WILHELM.....	Emden, Germany
CALLAHAN, FRANK.....	Hartford, Conn.
Yale University, A.B., 1904.	
CHAMBERS, ROBERT NEWTON.....	Norwich, N. Y.
Princeton University, A.B., 1904.	
CLARK, STEPHEN CARLTON.....	New York City
Yale University, A.B., 1903.	
CLARK, VERNON SEYMOUR.....	Binghamton, N. Y.
Amherst College, A.B., 1904.	
COCKRELL, MONCURE.....	Deer Lodge, Mont.
University of Montana, B.S., 1904.	
COHEN, ISIDORE.....	New York City
College of the City of New York, A.B., 1904.	
COLLINGS, WILLIAM ASBURY.....	Cicero, Ind.
De Pauw University, Ph.B., 1900.	
CONANT, HARRISON JOSIAH.....	Worcester, Mass.
Amherst College, A.B., 1904.	
CUTHELL, CHESTER WELDE.....	New York City
Columbia University, A.B., 1905.	
CUTLER, CARL CUSTER.....	Greenville, R. I.
Brown University, A.B., 1903.	
DECKER, SYDNEY SYLVESTER, Jr.	Montour Falls, N. Y.
Princeton University, B.S., 1904.	
DONOVAN, CLARENCE WALWORTH.....	(Bklyn) New York City
St. Francis Xavier College, A.B., 1904.	
DONOVAN, WILLIAM JOSEPH.....	New York City
Columbia University, A.B., 1905.	
DORSEY, CAM DAWSON.....	Atlanta, Ga.
University of Georgia, B.S., 1903.	
EGBERT, NATHAN ADAMS.....	Springfield, Mass.
Harvard University, A.B., 1900.	
EGGLESTON, ROBERT DUNCAN.....	Meriden, Conn.
Yale University, A.B., 1904.	
FEIFER, DAVID.....	New York City
College of the City of New York, A.B., 1904.	
FINE, JULIUS.....	New York City
College of the City of New York, A.B., 1904.	
FISCHER, HENRY BALDWIN.....	New York City
Yale University, Ph.B., 1904.	
FISHER, JOHN REDWOOD.....	Swiftwater, Pa.
Columbia University, A.B., 1904.	
FISHER, WILLIAM, Jr.....	Pensacola, Fla.
University of North Carolina, A.B., 1904.	
FLIEDERBLUM, HERMAN JAMES.....	New York City
College of the City of New York, A.B., 1904.	
FRANKENTHALER, GEORGE.....	New York City
College of the City of New York, B.S., 1903.	
FRELINGHUYSEN, PETER H. B.....	New York City
Princeton University, A.B., 1904.	
FRIED, EDWARD SAMSON.....	New York City
Columbia University, A.B., 1904.	
GOODBODY, WILLIAM URWICK.....	Haledon, N. J.
Williams College, A.B., 1904.	

- HAMILTON, GUY AMSI.....Geneva, Neb.
Columbia University, A.B., 1905.
- HARPER, HAROLD.....New York City
Columbia University, A.B., 1905.
- HAYS, CORNELIUS LANSING.....Albany, N. Y.
Union College, A.B., 1904.
- HEATON, JAMES PUTNAM.....(Bklyn) New York City
Columbia University, A.B., 1905.
- HEWITT, LOUIS PERCY.....Lincoln, Neb.
University of Nebraska, A.B., 1904.
- HOERNER, GRANT.....Progress, Pa.
Dickinson College, A.B., 1896.
- HORNBLOWER, GEORGE SANFORD.....New York City
Princeton University, A.B., 1904.
- IVINS, WILLIAM MILLS, Jr.....New York City
Harvard University, A.B., 1901.
- JACKSON, FREDERICK WEIDEMEYER.....New York City
Princeton University, A.B., 1904.
- JENKINS, MURRAY GOODLET.....New York City
College of the City of New York, A.B., 1904.
- JONES, ALEXANDER DE T. OGDEN.....New York City
Yale University, Ph.B., 1900.
- JONES, OLIVER LIVINGSTON, Jr.....New York City
Yale University, A.B., 1904.
- KAYE, BENJAMIN MARK.....New York City
Columbia University, A.B., 1905.
- KEITH, JOHN SLACK.....Newtown, Pa.
Princeton University, A.B., 1904.
- KLEEBURG, GORDON SAUL PHILIP.....New York City
Columbia University, A.B., 1905.
- KLEIN, FREDERIC EDWARD.....New York City
Columbia University, A.B., 1905.
- KOECHL, OTTO RUDOLPH.....(Bklyn) New York City
Harvard University, A.B., 1904.
- KOHN, JEROME ARNOLD.....New York City
New York University, A.B., 1904.
- LA FETRA, WILBUR WHITFIELD.....Santiago de Chile, S. A.
Ohio Wesleyan University, A.B., 1904.
- LANGWORTHY, HERMAN MOORE.....Leavenworth, Kan.
University of Kansas, A.B., 1902; A.M., 1903.
- LEVY, BENJAMIN MORRIS.....New York City
Columbia University, A.B., 1905.
- LEVY, EDWARD BENJAMIN.....(R) New York City
College of the City of New York, A.B., 1904.
Columbia University, A.M., 1905.
- LEWIS, ROBERT CARPENTER..... Fargo, N. D.
Columbia University, A.B., 1905.
- LEWISOHN, SAMUEL ADOLPH.....New York City
Princeton University, A.B., 1904.
- LONDON, MONTE.....New York City
Columbia University, A.B., 1905.
- LUDLOW, THEODORE RUSSELL.....Sherman, Texas
Austin College, A.B., 1903.

- MARCUS, AARON.....New York City
College of the City of New York, A.B., 1904.
- MARSH, THEODORE McCURDY.....East Orange, N. J.
Yale University, A.B., 1904.
- MCANENY, LEONARD GORDON.....Jersey City, N. J.
Columbia University, A.B., 1904.
- MCCOLL, CLARK ALEXANDER.....Westboro, Mo.
Tarkio College, B.S., 1904.
- MCDONALD, JAMES EDWARD WHITE.....New York City
- McKEE, THEOPHELIUS JOHN.....Hartford, Conn.
Trinity College, A.B., 1903.
- McLOUGHLIN, JAMES BERNARD.....(Br) New York City
St. John's College, A.B., 1903.
- MEDALIE, GEORGE ZERDEN.....New York City
Columbia University, A.B., 1905.
- MERRILL, EZRA BIRDETTE.....Minneapolis, Minn.
- MICHAEL, JOSEPH.....New York City
College of the City of New York, B.S., 1903.
Columbia University, A.M., 1904.
- MICHAEL, MAX.....Athens, Ga.
University of Georgia, A.B., 1904.
- MILLER, ELMER CRAVER.....Glen Ridge, N. J.
Columbia University, A.B., 1905.
- MILLER, MARK HUNTER.....Franklin, Ind.
Franklin College, A.B., 1904.
- MOORE, PHILIPS ALEXANDER.....New Castle, Pa.
Princeton University, A.B., 1904.
- NAETHING, JOHN BINGHAM.....New York City
Yale University, Ph.B., 1904.
- NEWBORG, SIDNEY.....New York City
Williams College, A.B., 1904.
- PERRIN, EDWARD BURT, Jr.....Williams, Ariz.
Harvard University, A.B., 1901.
- PODELL, DAVID LOUIS.....New York City
Columbia University, A.B., 1905.
- POWELL, JOHN ABBOTT.....Rosendale, Wis.
Ripon College, A.B., 1905.
- RILEY, NELSON STUDEBAKER.....South Bend, Ind.
Yale University, A.B., 1904.
- RISING, HERBERT ROBINSON.....Newark, N. J.
Yale University, Ph.B., 1900.
- ROBBINS, RUSSELL HURLBUT.....New York City
Harvard University, A.B., 1904.
- ROCKMORE, ABRAHAM.....(Bklyn) New York City
College of the City of New York, A.B., 1904.
- ROOSEVELT, FRANKLIN DELANO.....Hyde-Park-on-Hudson, N. Y.
Harvard University, A.B., 1903.
- ROSENHEIM, GERALD BENJAMIN.....Baltimore, Md.
Johns Hopkins University, A.B., 1904.
Columbia University, A.M., 1905.
- ROSENSON, HARRY JAMES.....(Bklyn) New York City
Columbia University, A.B., 1905.
- SCHLOSS, NORMAN PULVER STEVEN.....New York City
College of the City of New York, A.B., 1904.

SCHWARTZ, FRANK.....	New York City College of the City of New York, A.B., 1903.
SCHWED, HARRY.....	Summerville, N. J. Columbia University, A.B., 1905.
SHAPIRO, DAVID IRVING.....	New York City College of the City of New York, B.S., 1904.
SHELTON, CHARLES BASCOM.....	Valdosta, Ga. Emory College, A.B., 1902.
SHIENTAG, BERNARD LLOYD.....	New York City College of the City of New York, A.B., 1904.
SHOREY, CLYDE EVERETT.....	Seward, Neb. University of Nebraska, A.B., 1904.
SMITH, LATHROP.....	Kansas City, Mo. Yale University, A.B., 1904.
SOLOMON, JOSEPH.....	New York City College of the City of New York, A.B., 1904.
STARK, SAMUEL.....	New York City College of the City of New York, A.B., 1903.
STEVENS, WELD MERRICK.....	Greenwich, Conn. Princeton University, A.B., 1904.
SWEENEY, JOHN CUTHBERT.....	Denver, Colo.
TAYLOR, JAMES ALBERT.....	Utica, N. Y. Columbia University, A.B., 1905.
TRUESDALE, JOSEPH ROBINSON.....	Greenwich, Conn. Princeton University, B.S., 1904.
VAN CLEEF, FRANK CHAPMAN.....	Wellington, Ohio Oberlin College, A.B., 1904.
VAN NOSTRAND, NORMAN WYCKOFF.....	New York City Columbia University, A.B., 1905.
WALLACH, KAUFMAN RICHARD.....	New York City Columbia University, A.B., 1904.
WEINSTEIN, MORRIS.....	New York City College of the City of New York, A.B., 1904.
WOLFF, JULIUS LOUIS.....	New York City College of the City of New York, A.B., 1904.
YOUNGER, GUSTAVUS ADOLPHUS.....	(R) New York City Columbia University, A.B., 1905.
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FIRST YEAR—CLASS OF 1908

ABBEY, EDWARD NORMAN.....	Smithtown Branch, L. I. Hamilton College, A.B., 1905.
ARTHUR, JAMES (Rev.).....	Belfast, Ireland London University, A.B., 1892; B.D., 1897. Union Theological Seminary, D.D., 1900.
ASTON, ALBERT.....	(Bklyn) New York City Yale University, A.B., 1905.
BAKER, SAMUEL NEWHALL.....	Montclair, N. J. Brown University, Ph.B., 1905.
BEDINGER, HENRY GARRETT.....	Anchorage, Ky. University State of Missouri, A.B., 1905.
BENNETT, EUGENE BRISTOL.....	New Haven, Conn. Yale University, Ph.B., 1904.

- BERNSTEIN, MORRIS HENRY.....Savannah, Ga.
University of Georgia, A.B., 1905.
- BISHOP, MERRILL.....New York City
- BLAUVELT, MARTIN EMERSON.....Yonkers, N. Y.
Columbia University, A.B., 1905.
- BUFFETT, BENJAMIN.....Grand Bank, Newfoundland
Mt. Allison University, A.B., 1895.
- BULKLEY, CHARLES STONE.....Summit, N. J.
Yale University, A.B., 1905.
- BURDETT, LESTER CHARLES.....Fort Lee, N. J.
Manhattan College, A.B., 1905.
- BURDICK, CHARLES KELLOGG.....New York City
Princeton University, A.B., 1904.
- BURR, WILLIAM FAIRFIELD.....New York City
Harvard University, A.B., 1905.
- CLARE, JAMES LEO.....New York City
St. Francis Xavier College, A.B., 1905.
- CLICKSCALES, LOUIS DUPREE.....Vinita, I. T.
Baylor University, A.B., 1905.
- COLE, JOSEPH KINSEY.....Cincinnati, Ohio
Cornell University, A.B., 1903.
- CRIMEAN, JOHN J.....Conshohocken, Pa.
University of Pennsylvania, B.S., 1904.
- CURRIE, ARCHIBALD.....Davidson, N. C.
Davidson College, A.B., 1897.
- EASTON, KERNER.....New York City
Columbia University, A.B., 1905.
- EHRET, LOUIS JOHN.....New York City
Hamilton College, Ph.B., 1904.
- ELLIS, GEORGE ADAMS.....Castleton, Vt.
Columbia University, A.B., 1904.
- FERRIS, CHARLES HIRAM.....Oak Park, Ill.
Beloit College, A.B., 1905.
- FLOYD, CHARLES HAROLD.....Milton, Mass.
Harvard University, B.S., 1903.
- FLUHRER, MILTON.....New York City
Yale University, A.B., 1903.
- FRANK, ARTHUR.....Nashville, Tenn.
Vanderbilt University, B.S., 1905.
- GOLDFRANK, WALTER S.....New York City
Colorado College, A.B., 1905.
- GOLDSTEIN, ELIAS.....Shreveport, La.
Louisiana State University, A.B., 1902.
- GWINN, RALPH.....Noblesville, Ind.
- HILDRETH, ARTHUR WHITE.....Southampton, L. I.
Yale University, A.B., 1905.
- HINCKLEY, FRANK ERASTUS.....New York City
Beloit College, A.B., 1892; A.M., 1897.
Columbia University, Ph.D., 1905.
- HOGAN, JAMES JOSEPH.....Torrington, Conn.
Yale University, A.B., 1905.
- HOWELL, RAPELJE.....New York City
University of Cambridge, A.B., 1902.

HYMAN, MAURICE.....	New York City Columbia University, A.B., 1905.
JONES, GEORGE.....	New York City Harvard University, A.B., 1905.
KANZLER, JACOB.....	Kearney, Neb.
KENTWELL, LAWRENCE KLENDT.....	Honolulu, Hawaiian Islands
LAING, JOHN ALBERT.....	Albany, N. Y. Dartmouth University, A.B., 1905.
LEAVENWORTH, ELLIS WILLARD.....	Eaton, N. Y. Colgate University, A.B., 1905.
LE ROY, ROBERT.....	New York City Columbia University, A.B., 1905.
LLOYD, DEMAREST.....	Winnetka, Ill. Harvard University, A.B., 1904.
MACDONOUGH, PATRICK JOSEPH.....	New York City Notre Dame University, Ph.B., 1903.
MARSDEN, WALTER EUGENE.....	Johnstown, Pa. Yale University, A.B., 1905.
McKENNIS, HERBERT.....	Albany, N. Y. Dartmouth University, A.B., 1904.
McMORROW, THOMAS J.....	New York City Manhattan College, A.B., 1905.
MELA, HARRY FERDINAND.....	New York City College of the City of New York, A.B., 1904.
MEREDITH, HARLAN MACY.....	Lynnville, Iowa Penn College, B.S., 1901.
MILBANK, HAROLD.....	New York City Yale University, A.B., 1905.
NAVE, MARK DEMING.....	Rockville, Ind. Wabash College, A.B., 1901; A.M., 1904.
OPENHYM, WILFRED ADOLPHE.....	New York City Harvard University, A.B., 1905.
PIEL, WILLIAM F. J.....	New York City Columbia University, A.B., 1905.
POWELL, FREDERICK JAMES.....	New York City Columbia University, E.M., 1905.
RAY, JACK HARVELLE.....	Madison, Miss. Emery and Henry College, A.B., 1905.
REILLEY, THOMAS THORNTON.....	New York City New York University, A.B., 1905.
REYNARD, WILLIAM A.....	Tarrytown, N. Y. St. John's College, B.S., 1905.
ROGERS, RALPH ERNEST.....	New York City Yale University, A.B., 1901.
ROY, EDWARD COSBY.....	Louisville, Ky. Center College, B.S., 1905.
RUNYON, CHARLES, JR.....	Yonkers, N. Y. Williams College, A.B., 1905.
SHAPIRO, LOUIS MOSES.....	New York City College of the City of New York, B.S., 1905
SHAW, FRANKLIN WILLIAM.....	Patchogue, L. I. Lafayette University, Ph.B., 1904.
SHLIVER, MAX.....	New York City College of the City of New York, B.S., 1905.

SICHER, DUDLEY FRANK.....	New York City Yale University, A.B., 1904; A.M., 1905.
SIEGEL, ALEXANDER BERNARD.....	New York City College of the City of New York, A.B., 1905.
STUDY, GEORGE WINSLOW.....	Winchester, Ind. Indiana University, A.B., 1905.
TRAVIS, ALBERT CHESTER.....	New York City Harvard University, A.B., 1905.
VAN REYPEN, WILLIAM KNICKERBOCKER, JR.....	Washington, D. C. Yale University, A.B., 1905.
VEDDER, FRANK HANLEY.....	Utica, N. Y. Cornell University, Ph.B., 1899.
WEIL, JESSE.....	New York City Columbia University, A.B., 1905.
WHITE, ROBERT JENKINS.....	New York City
WILEY, JAMES McCALET.....	Troy, Ala. State Normal College, Alabama, B.S., 1901.
WILLIAMS, EDWARD.....	Spokane, Wash. University of Montana, A.B., 1905.
First Year—Class of 1908.....	71

NON-MATRICULATED STUDENTS

(a) *Unclassified Students for a Degree*

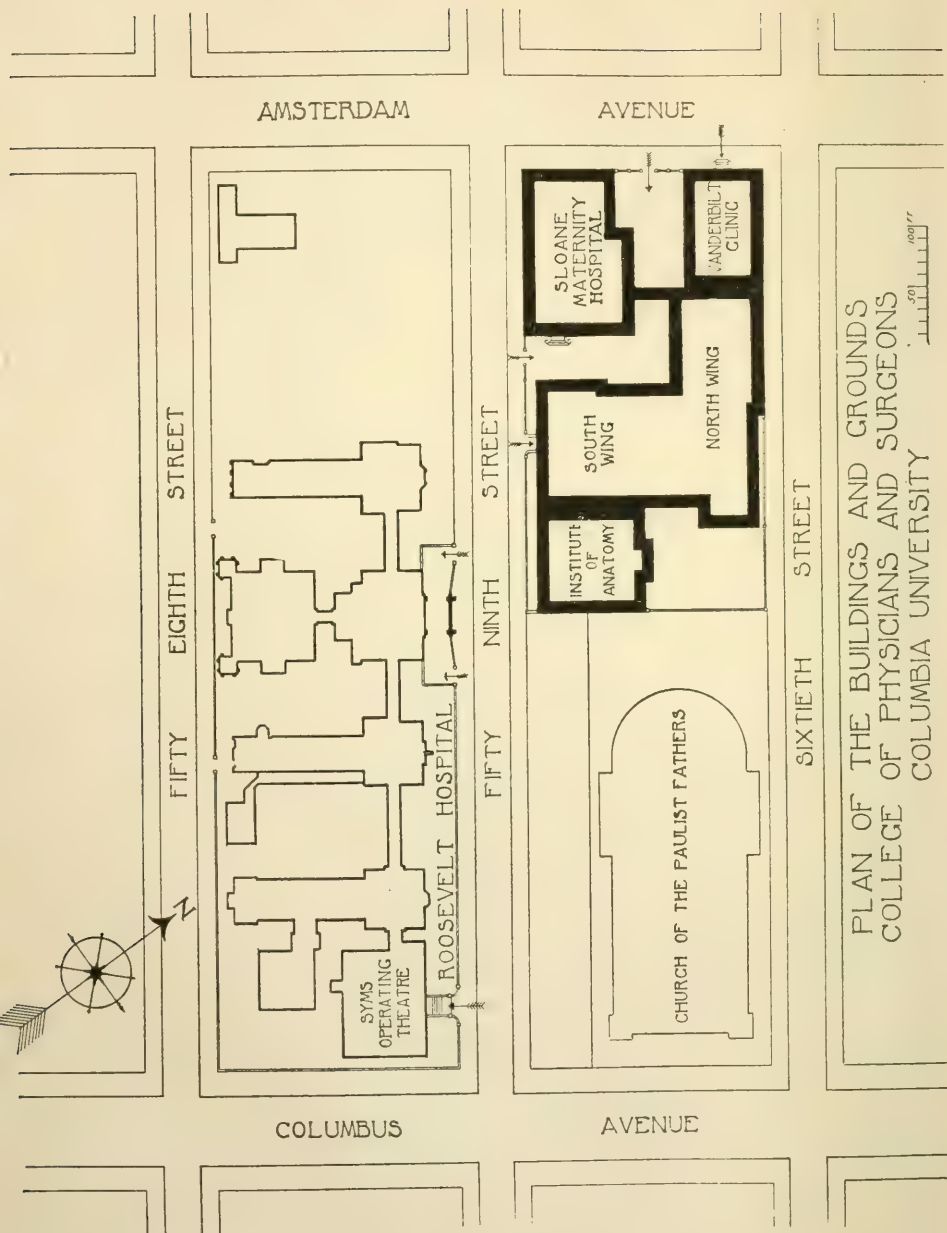
BAUER, HENRY OSWALD A.....	Piermont, N. Y.
CONNOR, FRANCIS J.....	Manchester, N. H. Manhattan College, A.B., 1894.
LAWRENCE, JOHN J., JR.....	(Br) New York City
MOLLER, HARRY LATCHAW.....	Paoma, Colo. Iowa College, Ph.B., 1900.
TREVOR, JOHN B.....	Yonkers, N. Y. Harvard University, A.B., 1902.
YONGE, JOHN EAYRES.....	Pensacola, Fla. Alabama Polytechnic Institute, B.S., 1902; M.S., 1903. University of Georgia, B.L., 1905.

(b) *Irregular Students*

CARTER, ASA LEROY.....	Columbia, Mo. University of Missouri, LL.B., 1905.
SHUFORD, MORTIMER.....	Hagerstown, Md. Franklin and Marshall College, A.B., 1905.
SMITH, W. H.....	Hilo, Hawaii, Hawaiian Islands Amherst College, A.B., 1890.

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SCHOOL OF MEDICINE

COLLEGE OF PHYSICIANS AND SURGEONS

The instruction in medicine is given under the following departments:

ANATOMY	NEUROLOGY
BACTERIOLOGY AND HYGIENE	OBSTETRICS
CHEMISTRY, GENERAL	PATHOLOGY
CHEMISTRY, PHYSIOLOGICAL	PEDIATRICS
CLINICAL INSTRUCTION IN DERMATOLOGY, GENITO-URINARY DISEASES, LARYNGOLOGY, OPHTHALMOLOGY, ORTHOPEDIC SURGERY, OTOTOLOGY	PHARMACOLOGY, MATERIA MEDICA, AND THERAPEUTICS
CLINICAL PATHOLOGY	PHYSICS
GYNECOLOGY	PHYSIOLOGY
HISTOLOGY	PRACTICE OF MEDICINE
	SURGERY

Officers of the Faculty

SAMUEL W. LAMBERT, A.M., M.D.	<i>Dean and Member of the University Council ex-officio</i>
WALTER B. JAMES, M.D., LL.D. (term expires 1907) . . .	<i>Elected Delegate to the University Council</i>
WILLIAM J. GIES, M.S., Ph.D.	<i>Secretary</i>

Committee on Administration

Professors LAMBERT (Chairman), CURTIS, JAMES, BLAKE, HOLT
(Secretary)

Committee on Admissions

Professors LAMBERT (Chairman), HUNTINGTON, and BREWER

Committee on Scholarships

Professors LAMBERT (Chairman), CRAGIN, and GIES

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., Litt.D. (Oxon.)	<i>President</i>
JOHN G. CURTIS, M.D., LL.D.	<i>Professor of Physiology</i>
M. ALLEN STARR, M.D., LL.D., Sc.D.	<i>Professor of Neurology</i>
GEORGE S. HUNTINGTON, M.D., Sc.D.	<i>Professor of Anatomy</i>

- T. MITCHELL PRUDDEN, M.D., LL.D., *Professor of Pathology; Director of the Laboratories of Pathology, Clinical Pathology, Bacteriology and Hygiene, and Histology and Embryology.*
- EDWIN B. CRAGIN, M.D. *Professor of Obstetrics and of Gynecology*
- WALTER B. JAMES, M.D., LL.D. *Bard Professor of the Practice of Medicine*
- WILLIAM J. GIES, M.S., Ph.D. *Professor of Physiological Chemistry*
- L. EMMETT HOLT, M.D., LL.D., Sc.D. *Carpentier Professor of Diseases of Children*
- CHRISTIAN A. HERTER, M.D. *Professor of Pharmacology and Therapeutics*
- JOSEPH A. BLAKE, M.D. *Professor of Surgery*
- SAMUEL W. LAMBERT, A.M., M.D. . . . *Professor of Applied Therapeutics*
- GEORGE E. BREWER, M.D. *Professor of Clinical Surgery*
- HARRY McMAHON PAINTER, M.D. *Professor of Clinical Obstetrics*

Emeritus Professors

- EDWARD CURTIS, M.D. *Emeritus Professor of Materia Medica and Therapeutics*
- JAMES W. McLANE, M.D. *Emeritus Professor of Obstetrics*
- FRANCIS DELAFIELD, M.D., LL.D. . . . *Emeritus Professor of the Practice of Medicine*
- ABRAHAM JACOBI, M.D., LL.D. *Emeritus Professor of Diseases of Children*
- HERMAN KNAPP, M.D. *Emeritus Professor of Ophthalmology*
- GEORGE MOREWOOD LEFFERTS, M.D., M.Sc. *Emeritus Professor of Laryngology*
- WILLIAM T. BULL, M.D. *Emeritus Professor of Surgery*
- A. BRAYTON BALL, M.D. *Emeritus Professor of Clinical Medicine*

HISTORICAL STATEMENT

Kings College—the original foundation of Columbia University—organized a Medical Faculty in 1767 and was the first institution in the North American Colonies to confer the degree of Doctor of Medicine in course. The first individuals to graduate in medicine from the College were Robert Tucker and Samuel Kissam, who received the degree of Bachelor of Medicine in May, 1769, and that of Doctor of Medicine in May, 1770, and May, 1771, respectively. Instruction in medicine was given from this time on until the work of the College was broken up by the War of the Revolution. In 1784 an act was passed making Columbia College in the City of New York the successor of Kings College, and instruction was resumed in the academic department. Eight years later the Medical Faculty was re-established and was continued until 1814, when the Medical Faculty of Columbia College was merged in the College of Physicians and Surgeons, which had received

an independent charter in 1807. In 1860, by agreement between the Trustees of the two institutions, the College of Physicians and Surgeons became the medical department of Columbia College, and from that time on the diplomas of the graduates were signed by the President of Columbia College as well as by the President of the College of Physicians and Surgeons. The connection was only a nominal one, however, until 1891, when the College was definitely merged in the University.

Since 1860 the degree of Doctor of Medicine has been conferred by Columbia University on 5541 men, including many of the most eminent practitioners in the United States.

BUILDINGS, GROUNDS, AND EQUIPMENT

The College of Physicians and Surgeons was first situated at 18 Robinson Street, from 1807 to 1809. From 1809 to 1813 it was at 12 Magazine Street; from 1813 to 1837 at 3 Barclay Street; from 1837 to 1856 at 67 Crosby Street; and from 1856 to 1887 at 101 East Twenty-third Street. It now occupies a group of buildings given by the late William H. Vanderbilt, his sons Cornelius, William K., Frederick W., and George W. Vanderbilt, and by William D. Sloane, which stands upon thirty contiguous lots of land, bounded on the south, west, and north by Fifty-ninth Street, Amsterdam Avenue, and Sixtieth Street, respectively, and lying immediately opposite to the Roosevelt Hospital.

The Main Building

The College Building proper has been designed to facilitate the combination of theoretical instruction with laboratory work, which is essential to a modern scientific training. In this building, which has a floor space of 100,000 square feet, are the lecture halls, the recitation rooms, and the different laboratories, under the supervision of their respective professors, all thoroughly equipped for the routine work of the regular classes and for the special original and research work of the advanced students, instructors, and professors of the several departments.

In this building are the administrative offices, the laboratories of Physiology, General and Physiological Chemistry, Surgery, Pharmacology and Pharmaceutics, the Morphological Museums and Laboratory, a dissecting room accommodating 400 students, and two large amphitheatres.

For a more detailed account of the equipment of each department see the departmental statements.

Vanderbilt Clinic

BOARD OF MANAGERS: Mr. Frederick W. Vanderbilt, Dr. S. W. Lambert, Dean, Dr. George G. Wheelock, Dr. L. Emmett Holt, Dr. Joseph A. Blake.

THE VANDERBILT CLINIC is a fully equipped dispensary for the sick poor. It also affords ample material for extended practical clinical instruction in the various departments of Medicine and Surgery, as the professors, with their clinical assistants, have the entire charge of its practice.

The building is so arranged that each department has a room for the practical instruction to students in small sections, in addition to the rooms devoted to the treatment of patients; besides, there is a large theatre for clinical lectures and a smaller lecture hall.

All modern appliances for the treatment of diseases have been introduced, so that students can learn thoroughly the use of all methods in each of the special departments of medicine.

During the year 1904, 42,995 patients were treated, making 145,005 visits to the Clinic.

For detailed information as to the clinical lectures held here, see the departmental statements in this volume, or the special *Announcement of the College of Physicians and Surgeons*.

Sloane Maternity Hospital

BOARD OF MANAGERS: Mr. William D. Sloane, Dr. S. W. Lambert, Dean, Dr. George G. Wheelock, Dr. T. Mitchell Prudden, Dr. Edwin B. Cragin.

THE SLOANE MATERNITY HOSPITAL is situated at the corner of Fifty-ninth Street and Amsterdam Avenue, and the service is under the exclusive direction of the Professor of Obstetrics in the College of Physicians and Surgeons, the Instructor in Obstetrics being the Resident Physician. The wards of the Hospital furnish one hundred and twenty-four beds, and there are ample accommodations for the house staff, students, and nurses. The operating room is equipped with all modern surgical and obstetrical conveniences, and Professor CRAGIN holds weekly clinics here for third-year class during the first half of the year.

The number of deliveries averages over fourteen hundred a year. These, with the obstetric operations and the subsequent treatment of women and infants, afford invaluable practical experience.

Clinics at the Hospitals

The College is strongly represented on the staffs of most of the general and special hospitals of New York. In them both required and optional practical instruction is given by clinical lectures, in the dispensaries, and at the bedside, all of which are prominent features of the curriculum. Admission is free to all matriculates. These hospitals are as follows: Roosevelt, Bellevue, New York, Presbyterian, St. Luke's, General Memorial, Hospital for the Ruptured and Crippled, St. Mary's Free Hospital for Children, Willard Parker and Reception, Riverside, New York Eye and Ear Infirmary, Foundling, and the

Babies Hospital. For a detailed statement see the *Announcement of the College of Physicians and Surgeons*.

Lectures

CARTWRIGHT LECTURES OF THE ALUMNI ASSOCIATION—According to the provisions of the Cartwright Trust, there is biennially given, under the auspices of the Alumni Association, a course of lectures more especially addressed to graduates in medicine. This course was delivered during the session of 1902-03 by Richard C. Cabot, M.D., of Boston.

GENERAL PLAN OF INSTRUCTION

The prescribed period of study for the degree of Doctor of Medicine is four years.

By permission of the Dean of Columbia College, the first year in the School of Medicine may be elected by members of the senior class in Columbia College who became students in the College not later than the beginning of their junior year, so that the degree of Bachelor of Arts, or Science, and that of Doctor of Medicine can be obtained in seven years.

As a prerequisite to the study of medicine, the more complete the preliminary education of the student the sooner and with the more understanding will he grasp the advanced subjects forming the groundwork of a medical course. This especially applies to the one who has had a college training and has acquired a sufficient knowledge of physics, general chemistry, and general biology, sciences justly considered to be an essential part of a thorough medical education.

In the arrangement of the different branches of the medical instruction a logical order of the main themes and a co-ordination in the work of each department have been sought after, enabling the student to concentrate his attention upon some subject and to be so familiar with it that the allied subjects next to be taken up shall be readily understood. The salient features in the method of instruction are thorough laboratory training, frequent demonstrations, clinical teaching in the operating theatres and at the bedside as well as in the dispensaries, with recitations and didactic lectures to elucidate the many problems confronting the student.

Records of attendance and scholarship are kept, and before a student may advance with his class he must, besides passing a good examination in a subject, present certificates of satisfactory practical work.

In the first half of the first year the time of the student is devoted largely to anatomy. The instruction is carried on mainly by numerous demonstrations to sections and by long periods of uninterrupted work in the dissecting room. In this part of the year the subjects of physics and general chemistry are dealt with. Students who have pursued elsewhere substantially equivalent courses in physics may be

exempted from the work in this department on presentation of satisfactory certificates, or after satisfactory examinations. Also, in the first half-year the course in histology and embryology is begun. In the second half of the first year the study of physiology is begun, for which the students have been prepared by a course in mammalian morphology. This subject is taught by didactic lectures, demonstrations, recitations, and practical work in the laboratory. During the second half-year physiological chemistry is studied in the laboratory and by lectures and recitations. During this part of the year the work in anatomy is continued and the course in histology and embryology is completed.

In the second year anatomy and physiology are completed. The lectures in materia medica and laboratory courses in pharmacology and bacteriology and hygiene are concluded. As preliminary to the third and fourth year, recitations from text-books are held in medicine, obstetrics, materia medica, and surgery. For the second half of the second year the students are assigned to the laboratory for work in pathology and pathological anatomy, and attendance at autopsies is required.

During the third year recitations in medicine and surgery are continued and those in gynecology are begun. There are didactic as well as clinical lectures in medicine, surgery, pharmacology and therapeutics, applied therapeutics, obstetrics, gynecology, neurology, and pediatrics. During the year the work in pathological anatomy and clinical pathology is completed. The class is divided into small sections for instruction in physical diagnosis, and in the special branches of medicine and surgery at the various dispensaries and hospitals.

The student in the fourth year spends most of his time in the hospitals and dispensaries of the city. Consequently, although a few general and clinical lectures are still given, the work is almost entirely practical and bedside instruction. Divided into small groups, the students continue to come into personal contact with patients, under the supervision of the instructor. In this way they have the opportunity to become familiar with the history of a case, to make a complete physical examination, to form a diagnosis, to give a prognosis, to advise treatment, and to watch progress.

In the course in surgery the witnessing of numerous major and minor operations is supplemented by an operative course in which the student himself performs on the cadaver many of the more common operations. For an obstetrical service, the unsurpassed facilities of the Sloane Maternity Hospital offer excellent opportunities. Here, the student is required to live for two weeks and personally attend a certain number of cases of labor. Finally, during the last year, the course is rounded out by personal instruction in the more special branches of medicine. In these branches the student is taught how to use many instruments of precision and to recognize and treat successfully many of the rarer forms of disease.

Letters requesting more detailed information than is contained in this Catalogue, and all correspondence regarding admission, should be addressed to the Dean of the Faculty of Medicine, 437 West Fifty-ninth Street.

Information regarding board and lodging may be had from the Assistant Registrar. The price of suitable accommodations in the vicinity ranges from \$5 to \$9 per week.

REQUIREMENTS FOR ADMISSION

To the First-Year Class

All candidates for the degree of Doctor of Medicine must present the medical-student certificate of the Regents of the University of the State of New York, *and must have obtained the same only on the basis of one or the other of the certificates named below:*

1. A certificate indicating (a) that the candidate has completed at least one full year's course of study in a college or scientific school, registered by the Regents as maintaining a satisfactory standard; (b) that he holds a Bachelor's degree in arts or science, or its substantial equivalent conferred by any registered institution in France or Spain; (c) that he is graduated from a registered gymnasium in Germany, Austria, or Russia, or has completed a course of study equivalent thereto—as, for example, a course of five years in a registered Italian ginnasio and three years in a liceo.

2. A certificate of the result of an examination conducted in June of any year by the College Entrance Examination Board, or in January or September of any year under the auspices of the Columbia University Committee on Entrance Examinations, or in part for both of these, in the subjects enumerated below. These three sets of examinations are held upon the same requirements and are substantially the same in standard administration. Candidates may forward their credentials received from either or both of these examining authorities to the Secretary of the Regents of the University of the State of New York, Albany, N. Y., and if they aggregate the necessary 15 points will receive in exchange therefor the medical-student certificate required for admission to the College of Physicians and Surgeons. Before forwarding his credentials to Albany, a candidate should present them to the Secretary of the Faculty of Medicine for a written certification as to the number of points with which on their basis a candidate may be credited. No part of the requirements which a candidate may pass will be allowed to stand to his credit for a longer period than twenty months.

The examination subjects from which the candidate for admission to the College of Physicians and Surgeons must make his selection are as follows. (A "point" is regarded as being the equivalent of a course of study of five weekly periods throughout the academic year.)

		COUNTING IN POINTS
The candidate <i>must</i> offer:		
English		3
Elementary French	}	2
or		
Elementary German		2
Elementary Latin. (See note, page 177)		3
Elementary Mathematics		3
Total		10

(Beginning June, 1907, the candidate *must* offer also Inorganic Chemistry and Elementary Physics).

The 5 additional points may be offered from the following subjects, the only restriction being that to offer an advanced subject will involve offering, either at the same time or earlier, the corresponding elementary subject.

		COUNTING IN POINTS
Elementary French	}	2
or		
Elementary German (see above)		3
Elementary Greek		2
Elementary History		2
Elementary Latin (see note, page 177)		1
Elementary Physics ²		1
Botany		1
Chemistry ²		1
Drawing		1
Physiography		1
Spanish		2
Zoölogy ¹		1
Intermediate French		1
Intermediate German		1
Advanced Greek ¹		1
Advanced History ¹		1
Advanced Latin ¹		1
Advanced Mathematics		1
Advanced Physics ¹		1

For full definition of the above requirements, and for information regarding the times and places at which entrance examinations are held, regulations regarding division of examinations, examinations outside of New York, application blank, and examination fee, see pages 163-184.

Admission with Conditions

Candidates who do not receive a grade at least C (fair — 60 % to 75 %) in subjects amounting to at least 12 of the 15 points offered will be rejected.

Candidates who receive a grade of C (fair — 60 % to 75 %) in subjects amounting to not less than 12 of the 15 points offered, will be

¹ Candidates will be examined in this subject only in January and September.

² Beginning with the entrance examinations of June and September, 1907, this subject *must* be offered for entrance.

admitted conditionally, under such stipulations as the Committee on Admissions of the Faculty of Medicine may impose; but, in every case, conditions imposed at entrance must be removed before the student is admitted to the second year of the course. Such candidates must submit to the Committee their credits from the College Entrance Examination Board and from the University Committee on Entrance Examinations of Columbia University on or before September 26, 1906.

To Advanced Standing

Admission may be granted to advanced standing at the beginning of the second or third year, and, with the special consent of the Faculty, of the fourth year.

Every applicant for advanced standing will be required (1) to present evidence of having had a sufficient preliminary education, meeting the requirements for admission to the first-year class; (2) to present satisfactory evidence of having attended, in a recognized medical school, courses reasonably equivalent to those already attended by the class to which he seeks admission; (3) to be examined for admission in all the subjects in which the said class shall have been examined already.

No certificate or diploma will be accepted in lieu of these examinations for advanced standing.

A candidate for admission to advanced standing at the beginning of the second or third year may be so admitted either unconditionally or conditionally. In the latter case, his admission will be upon the same terms as govern students who have pursued at this College the curriculum of the first or second year.

During the week before the opening of the academic year examinations in each subject of the curriculum of the Medical School will be held for delinquent students and for candidates for admission to advanced standing.

As Special Students

Students desiring to do special work at the College of Physicians and Surgeons may register at any time during the year as special students. Such applicants, however, cannot subsequently become candidates for graduation without full compliance with the terms of admission and graduation.

Special students will be required to present to the Committee on Admission before entrance evidence of (a) an adequate preliminary education, and (b) special fitness for the particular work they desire to pursue.

REQUIREMENTS FOR GRADUATION

Every candidate in the four-year course will be required before admission to the degree of M.D.:

1. To present satisfactory evidence, as required by law, of good moral character, and of having attained the age of twenty-one years.

2. To present evidence of having complied with the requirements for admission.

3. To have attained to satisfactory standing in the required studies of the four years of the curriculum. See table, page 241.

4. A candidate who shall have been admitted to advanced standing will be required to have spent not less than four academic years at the studies referred to in the clause next preceding; and to have complied successfully with the requirements for admission to advanced standing.

No two academic years which shall have begun during the same calendar year will be held to satisfy the requirements of the above clause.

THE DEGREE OF MASTER OF ARTS

The attention of students of Medicine is directed to Rule 10 of the Regulations for the Higher Degrees (page 190).

Students in the School of Medicine who are candidates for the degree of Master of Arts, under the provisions of this regulation, are subject to the regulations of the Faculty of Philosophy, Political Science, or Pure Science, under which the extra work is taken, and which finally recommends the candidates for the degree. Such students should apply to the Dean of the appropriate Faculty for a registration book before taking up their work.

SCHOLARSHIPS, FELLOWSHIPS, AND PRIZES

See Table of Contents

EQUIPMENT AND COLLECTIONS

Detailed information as to the laboratories, collections, and other facilities for study will be found in the statements of the various departments of instruction, pages 36-162, and more fully in the *Announcement of the College of Physicians and Surgeons*.

REQUIREMENTS FOR LICENSE TO PRACTISE MEDICINE IN NEW YORK STATE

For information, see the *Announcement of the College of Physicians and Surgeons*.

SUMMER SESSION IN MEDICINE

Practical courses in medicine, varying from three to six weeks in length, for the benefit of practising physicians who desire opportunities for additional study and investigation, as well as for that of properly qualified students of medicine and surgery, are given from May until September of each year.

COURSE OF STUDY LEADING TO THE DEGREE OF M.D.

(A much more detailed summary will be found in the special *Announcement of the College of Physicians and Surgeons*. The *Announcement* also gives full information as to the method whereby the standing of a student is determined at the end of each of the four years of the course.)

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
Physics 3-4 and 1-2 General Chemistry 51 Anatomy 3-4, 5-6, 7-8, 16 Histology and Embryology 1-2 Physiology 100 Physiological Chemistry 102 <i>Examinations upon the work of the first year</i>	Anatomy 1-2, 9-10, 11-12, 13-14, and 15 Physiology 108 Pathology 51 Bacteriology and Hygiene 51 Pharmacology, Materia Medica, and Therapeutics 1, 3-4, 9-10 Obstetrics 3-4 Practice of Medicine 67 and 69-70 Surgery 61-62 <i>Examinations upon the work of the second year</i>	Pharmacology, Materia Medica and Therapeutics 8, 11-12 Pathology 53* Practice of Medicine 51-52, 53-54 ¹ Neurology 1-2 ¹ Surgery 53-54, 55, 63-64, 65-66 Obstetrics 1 Gynecology 2, 3 Genito-Urinary Diseases 1-2, 3-4, 5-6 Ophthalmology 1-2, 3-4 Otology 1, 3-4 Diseases of Children 5-6, 9 Clinical Pathology 51 <i>Examinations upon the work of the third year</i>	Pharmacology, Materia Medica, and Therapeutics 5-6 Practice of Medicine 51-52, 53-54 ¹ Neurology 1-2, 3-4, 5-6, 8 Surgery 51-52, 53-54, 58, 60, 65-66 Orthopedic Surgery 1-2, 3-4 Obstetrics 5-6 Gynecology 5-6, 7-8 Dermatology 1, 3-4 Diseases of Children 1, 2, 3-4, 10-11 Laryngology 2, 3-4, 5-6 <i>Examinations upon the work of the fourth year</i>

¹ In all subjects which are not completed in a single year, the instruction offered to a given student is different each year.

Consult the departmental statements (pp. 36-162) for:

- (1) The scope of each course, the number of hours required for it, and the instructors giving it;
- (2) Information regarding the courses open to special (graduate) students in medicine;
- (3) Courses which may be counted towards the degrees of A.M. and Ph.D.

Students who have pursued elsewhere courses in physics and general chemistry substantially equivalent to those given at this College may be exempted from the work in those subjects on presentation of satisfactory certificates, or after satisfactory examination. In view of this fact students intending to pursue the study of medicine are recommended, in their preliminary education, to take thorough courses in physics and chemistry, including laboratory work in each.

* For 1905-06 only.

A general statement of the work offered will be found in connection with the statement of the Summer Session (see the Table of Contents), this volume, and a detailed announcement, showing the scope of each course, the conditions under which it is given, and the fee charged will be sent upon application to the Secretary of Columbia University, New York City.

Students who have satisfactorily completed the practical clinical courses in this Summer Session may be excused from equivalent courses (except Physical Diagnosis), required for the degree of M.D.

REGISTER OF STUDENTS

College of Physicians and Surgeons

FOURTH YEAR—CLASS OF 1906

ABRAMS, SAMUEL DOUGHTY.....	Lawrence, L. I.
APPLEGATE, EDWARD TAYLOR RIGGS, Jr.....	Hightstown, N. J.
Princeton University, B.S., 1902.	
ASTLE, CHRISTOPHER.....	Providence, R. I.
Brown University, A.B., 1902.	
BAKER, ROLLIN OLIVER.....	Lockport, N. Y.
BAKST, JOSEPH.....	New York City
BARROWS, STERLING.....	Orange, N. J.
BARTLETT, LAURENCE STEWART.....	New York City
Princeton University, A.B., 1901.	
BAYLES, WILLIAM HENRY.....	New Rochelle, N. Y.
BERNSTEIN, MAX.....	New York City
BICKELHAUPT, BERTRAM SAMUEL.....	New York City
BIRDSALL, CLARENCE ATHERTON.....	Jersey City, N. J.
BOOKMAN, MILTON RALPH.....	(Br) New York City
BRANCATO, PETER.....	New York City
BURNHAM, ATHEL CAMPBELL.....	New York City
BURROWS, ELLIOTT CYRIL.....	Elizabeth, N. J.
BUTLER, EUSTACE CAMERON.....	Nassau, Bahamas, W. I.
New York College of Pharmacy, Ph.G., 1901.	
CASAMAJOR, LOUIS.....	New York City
Columbia University, A.B., 1903.	
CASPER, JOSEPH.....	Salem, N. J.
Princeton University, B.S., 1902.	
COHEN, EMANUEL.....	New York City
CONLEY, DUDLEY STEELE.....	Columbia, Mo.
Missouri State University, B.L., 1899.	
CORSCADEN, JAMES ALBERT.....	New York City
Wesleyan University, Ph.B., 1902.	
DAY, HOMER LELAND.....	San Francisco, Cal.
Leland Stanford Junior University, A.B., 1901.	
DECKER, CHARLES THURSTON.....	Westfield, N. J.
DENNO, WILLARD JOSEPH.....	Castleton, Vt.
Yale University, A.B., 1903.	
DETWILLER, ALBERT KNECHT.....	Easton, Pa.
Lafayette College, Ph.B., 1901.	
DRAPER, GEORGE.....	New York City
Harvard University, A.B., 1903.	
DRENNEN, WESTLEY EARLE.....	Birmingham, Ala.
University of Alabama, A.B., 1902.	
DU BOIS, EUGENE FLOYD.....	West New Brighton, S. I.
Harvard University, A.B., 1903.	

- EDGAR, JOSEPH ALEXANDER.....Jersey City, N. J.
 EHRHARDT, CHARLES FREDERICK.....New York City
 EISENBERG, ABRAHAM DAVID.....New York City
 ELMENDORF, WILLIAM TEN-EYCK.....New York City
 Rutgers College, A.B., 1902.
 ENGELSON, JOSEPH ENGEL.....(Br) New York City
 FELBERBAUM, DAVID.....New York City
 FINE, ABRAHAM.....(Bklyn) New York City
 FINK, MORRIS.....New York City
 FISCHER, HENRY ARCHBOLD.....New York City
 FISHER, CHARLES FRANK.....(Bklyn) New York City
 FLEMMING, EDWARD ALBERT.....(Bklyn) New York City
 FRIEDER, WILLIAM.....New York City
 FRIEDMAN, SIMON SYDNEY.....New York City
 College of the City of New York, A.B., 1902.
 GILLEN, WILLIAM ALOYSIUS, Jr.....Jersey City, N. J.
 St. Francis Xavier College, A.B., 1902.
 GOLDBERGER, LEWIS ARTHUR.....New York City
 College of the City of New York, A.B., 1902.
 GOLDMAN, ALEXANDER.....New York City
 New York College of Pharmacy, Ph.G., 1897.
 GORDON, DONALD, JR.....(Bklyn) New York City
 GOTTESMAN, ABRAHAM.....New York City
 GRAHAM, JOHN ELIOTT.....Little Falls, N. Y.
 GREENSPAN, SAMUEL.....New York City
 GROESCHEL, LESSER BERNHARDT.....Chester, S. C.
 GROSSMAN, LOUIS JOSEPH.....(Bklyn) New York City
 HARRINGTON, JAMES TAYLOR.....Short Hills, N. J.
 Harvard University, A.B., 1899.
 HARRIS, HARRY BLATT.....Orange, N. J.
 HART, LEONARD.....Jackson, Miss.
 Millsaps College, B.S., 1902.
 HENRY, MORRIS WALGROVE.....(Bklyn) New York City
 HENSCHER, LOUIS KAUFMAN.....(Br) New York City
 HOLZMAN, ARTHUR CHESTER.....(Bklyn) New York City
 HOWELL, ERNEST TITUS DEAN.....New York City
 HOWLAND, DE RUYTER.....New Rochelle, N. Y.
 HUYCK, RALPH PRYNE.....Herkimer, N. Y.
 ITTELSON, MAX.....(Bklyn) New York City
 JANÉ, ALBERT CRISTOBAL.....Guantanamo, Cuba
 Provincial Institute, Santiago, A.B., 1891.
 JOELSON, MORRIS SAMUEL.....New York City
 JOHNSON, FREDERICK A.....Scarsdale, N. Y.
 KAUFMAN, IGNATZ.....New York City
 KIBBE, EDWIN JACKSON.....Batavia, N. Y.
 KIMBALL, PAUL WELLINGTON.....New York City
 Amherst College, A.B., 1902.
 KINGSLEY, ROLFE.....New York City
 Yale University, Ph.B., 1902.
 KOBLER, EARL WILLIS.....New York City
 LANDSMAN, ISIDORE JOSEPH.....New York City
 College of the City of New York, A.B., 1901.
 LASHER, FRANK HERMANCE.....Poughkeepsie, N. Y.
 LAWLOR, MICHAEL JOSEPH.....Waterbury, Conn.
 Holy Cross College, A.B., 1902.

FOURTH YEAR CLASS

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LEBWITZ, EMANUEL FREDERICK.....	New York City College of the City of New York, B.S., 1902.
LEDERER, MAX.....	(Bklyn) New York City
LEE, WILLIAM RUMFITT, Jr.....	Troy, N. Y.
LEVINE, BENJAMIN MEYER.....	New York City
LEWIS, HOWARD TAYLOR.....	Plainfield, N. J. Alfred University, B.S., 1902.
LIEB, CHARLES CHRISTIAN.....	New York City Columbia University, A.B., 1902.
LINDEMAN, HOWARD EDWARD.....	New York City
LOVE, TRACY ROBINSON.....	Denver, Colo. Colorado College, Ph.B., 1902.
LYON, EDWARD CRANE.....	Caldwell, N. J. Princeton University, A.B., 1902.
MCCORMACK, WILLIAM GUILDING, Jr.....	(Br) New York City
McKALLAGAT, PETER LEO.....	Lawrence, Mass.
McNULTY, EDWARD TINNEY.....	(Bklyn) New York City
MACRAE, RICHARD MONCURE.....	Upperville, Va.
MERRIMAN, MERRITT HEMINWAY.....	Watertown, Conn. Yale University, A.B., 1901.
MININGHAM, WILLIAM DARCY.....	Jersey City, N. J.
MOCKRIDGE, OSCAR ABRAHAM.....	Newark, N. J. Pennsylvania Military College, B.S., 1901.
MONTY, ADELBERT HOWARD.....	Holyoke, Mass.
MORETSKY, HENRY MOSES.....	New York City
OBERWAGER, JOHN.....	New York City College of the City of New York, A.B., 1901.
OPPENHEIMER, FREDERIC GOLDING.....	San Antonio, Texas Columbia University, A.B., 1902.
OSNATO, MICHAEL.....	New York City
PEASE, MARSHALL CARLETON, Jr.....	Downers Grove, Ill. Beloit College, B.S., 1902.
PHILLIPS, CHARLES.....	New York City
PORTER, JOSEPH YATES, Jr.....	Key West, Fla.
PRATT, CHARLES HOWARD.....	Passaic, N. J.
RAABE, ALFRED.....	(Br) New York City
RAY, EDGAR THOMAS.....	New York City College of the City of New York, A.B., 1902.
REUBEN, MARK.....	New York City College of the City of New York, A.B., 1902.
RICE, FREDERICK WALTER.....	Bangor, Me. Holy Cross College, A.B., 1902.
ROSENTHAL, JOSEPH.....	New York City
ROSS, CARL ARTMAN.....	Dansville, N. Y.
ROSSANO, AUGUSTUS THOMAS.....	New York City
RYTTENBERG, CHARLES.....	Sumter, S. C. University of South Carolina, A.B., 1902.
SAMMIS, JESSE FLEET.....	New York City Princeton University, A.B., 1902.
SCHULMAN, ROBERT.....	(Bklyn) New York City Columbia University, A.B., 1903.
SCHUMER, HENRY.....	New York City
SCHWARTZ, DAVID BARNETTE.....	(Bklyn) New York City
SCHWARTZ, PETER.....	New York City

- SCRUTON, WILLIAM ALFRED.....New York City
New York College of Pharmacy, Phar.D., 1898.
- SEARS, HENRY CLARK.....Binghamton, N. Y.
- SELVAGE, CHARLES EDWIN.....Newark, N. J.
- SEVERSON, IRWIN WINT.....Pittston, Pa.
- SHAINÉ, MARKS SOLOMON.....New York City
College of the City of New York, A.B., 1902.
- SHEA, WILLIAM ALBERT.....Ashland, Wis.
Notre Dame University, Indiana, Litt.B., 1902.
- SHERWOOD, WILLIAM DAVIES.....(Br) New York City
- SILVERMAN, SAMUEL TILDEN.....New York City
- SINGER, DAVID A.....New York City
College of the City of New York, A.B., 1903.
- SIROVICH, WILLIAM IRVING.....New York City
College of the City of New York, A.B., 1902.
- SLOCUM, ARTHUR LANGFORD.....New York City
Brown University, A.B., 1901.
- SMITH, SCOTT LORD.....South Wilton, Conn.
Yale University, A.B., 1902.
- SMOLEN, ABRAHAM LOUIS.....New York City
College of the City of New York, A.B., 1902.
- SOBEL, SAMUEL PAUL.....New York City
State Board Pharmacy, Phar.L., 1899.
- SOPER, ARTHUR ELSWORTH.....Northport, L. I.
- SPICKERS, WILLIAM, JR.....Paterson, N. J.
- SPIEGELBERG, SIDNEY LEHMAN.....New York City
Columbia University, A.B., 1902.
- STEERE, ARTHUR.....Chepachet, R. I.
Brown University, A.B., 1902.
- STEINHARDT, IRVING DAVID.....New York City
- STELLA, GIOVANNI.....Naples, Italy
- STEWART, EDGAR EGINTON.....New York City
- STEWART, SAMUEL.....Paterson, N. J.
- STRAIN, WILLIAM PETER.....New Rochelle, N. Y.
- STRATMANN, CHARLES FRANCIS.....(Bklyn) New York City
- SULLIVAN, MARK DUNKLIN.....Pelzer, S. C.
Maryland College of Pharmacy, Ph.G., 1898.
- SUMNER, ABRAHAM JACOB.....(Bklyn) New York City
- TE GUSSINKLO, WILLIAM.....New York City
- THUNIG, LOUIS ALBERT.....(Bklyn) New York City
- TITSWORTH, SYDNEY ROSS.....Plainfield, N. J.
Alfred University, B.S., 1901.
- TRUESDELL, EDWARD DELAVAN.....(Bklyn) New York City
Princeton University, A.B., 1902.
- UNGER, HENRY HERMAN.....New York City
College of the City of New York, A.B., 1901.
- VAIL, CHARLES EDWARD.....Newark, N. J.
Princeton University, A.B., 1902.
- VAN VERBEEK SCHOTT, GERARD JOHAN, JR.....Passaic, N. J.
- VERMILYE, ROBERT MONTGOMERY.....New York City
Princeton University, A.B., 1902.
- VOORHEES, HOWARD CROSBY.....New Brunswick, N. J.
Princeton University, A.B., 1902.

VREELAND, RALPH DOREMUS.....	Paterson, N. J.
WALLING, LENNOX GRESHAM.....	Harrisville, R. I.
Brown University, A.B., 1902.	
WATKINS, EDWIN DIAL.....	Chattanooga, Tenn.
University of Virginia, B.S., 1902.	
WEIZENHOPFER, ADOLPH.....	New York City
College of the City of New York, B.S., 1898.	
WESTOVER, ROBERT RAYMOND.....	Oxford, N. Y.
WOOD, WILSON GUYON.....	New York City
College of the City of New York, B.S., 1899.	
WOOLDRIDGE, JAMES CLEMENTS.....	Columbus, Ga.
Emory College, Ga., A.B., 1898.	
WRIGHT, FREDERICK STARR.....	New York City
Lafayette College, A.B., 1902.	
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THIRD YEAR—CLASS OF 1907

ALLEN, THEODORE HENRY.....	Montclair, N. J.
Columbia University, A.B., 1903.	
ANDERSON, CHARLES ALBERT.....	Dorchester, Mass.
AXELRAD, JACOB.....	New York City
College of the City of New York, B.S., 1902.	
BAECHLER, JULES.....	New York City
French American College, A.B., 1903.	
BASS, MURRAY HAROLD.....	New York City
Columbia University, A.B., 1903.	
BOICE, HARRY WALDEMAR.....	(Bklyn) New York City
BRIGGS, FREDERICK SUMNER.....	Brandon, Vt.
University of Vermont, A.B., 1904.	
BROWN, SANGER.....	Bloomfield, Ont., Canada
CARTMELL, THEODORE MITHOFF.....	Lancaster, Ohio
Kenyon College, A.B., 1903.	
CLASS, FRANKLIN MORRIS.....	New York City
Harvard University, A.B., 1903.	
COHN, ROYAL MORRIS.....	Newark, N. J.
CROHN, BURRILL BERNARD.....	New York City
College of the City of New York, A.B., 1902.	
CROSS, JAMES BAILEY.....	Fultonville, N. Y.
DECKER, HARRY RYERSON.....	Montclair, N. J.
Princeton University, A.B., 1903.	
DEDERER, ISAAC CARLETON.....	New York City
Cornell University, A.B., 1904.	
DERBY, RICHARD.....	New York City
Harvard University, A.B., 1903.	
DORSEY, JOHN JOSEPH.....	Ogdensburg, N. Y.
EGGERS, CARL FREDERICK AUGUST.....	(Bklyn) New York City
ERLER, EUGENE WILLIAM.....	Newark, N. J.
Rutgers College, A.B., 1903.	
ESPINOSA, ANTONIO.....	Merida, Yucatan, Mexico
FABER, GUSTAVUS WILLIAM.....	Plainfield, N. J.
Princeton University, A.B., 1903.	
FAIRCHILD, RALPH PLUMB.....	New York City
FOOT, NATHAN CHANDLER.....	Rye, N. Y.
Harvard University, A.B., 1903.	

- FORSTOT, SAMUEL.....New York City
College of the City of New York, A.B., 1903.
- FORT, JAY IRVING.....Newark, N. J.
Columbia University, A.B., 1903.
- FOUCAR, FREDERIC HULTMAN.....New York City
Columbia University, A.B., 1904.
- FULKERSON, LYNN LYLE.....New York City
Syracuse University, A.B., 1903.
- FUNK, MERTON LAYTON.....(R) New York City
Columbia University, A.B., 1904.
- FURST, SIDNEY.....(Br) New York City
College of the City of New York, B.S., 1902.
- GIL, GIL JUVENAL.....Medellin, Colombia, S. A.
University of Antioquia, A.B., 1901.
- GISSEL, HENRY WILLIAM, JR.....(Bklyn) New York City
- GOLDBERG, ABRAHAM.....New York City
- GRANBERRY, DENIS WEBB.....East Orange, N. J.
Harvard University, A.B., 1899.
- GRUDBERG, SIMON CHARLES.....New York City
College of the City of New York, A.B., 1903.
- GUILLE, HUBERT VIVIAN.....New York City
Princeton University, B.S., 1903.
- HARPER, PAUL TOMPKINS.....Cohoes, N. Y.
Hamilton College, Ph.B., 1903.
- HEDEMAN, FERDINAND FREDERICK.....Honolulu, H. I.
- HEIMAN, JACOB.....New York City
College of the City of New York, A.B., 1903.
- HOFF, HOWARD CROSBY.....New York City
- HOGUET, JOSEPH PIERRE.....New York City
Harvard University, A.B., 1903.
- HOLT, ROLAND GORDON.....Hudson, Mass.
- HYMAN, DAVID ELLIOTT.....New York City
- JAFFE, HERMAN MEYER.....Jersey City, N. J.
- JAMES, HENRY.....Catonsville, Md.
Yale University, A.B., 1903.
- JANEWAY, WILLIAM RICHARD, 2d.....(R) New York City
Princeton University, A.B., 1903.
- KEATING, THOMAS SEBASTIAN.....(Bklyn) New York City
- KEENEY, CADWELL BENSON.....Elizabeth, N. J.
Princeton University, A.B., 1903.
- KEHRLEIN, OLIVER DU FRÉSNE.....San Francisco, Cal.
- KELLER, MORRIS.....New York City
College of the City of New York, A.B., 1903.
- KNAPP, RICHARD EDWARD.....Hackensack, N. J.
- KRAMER, HENRY FREDERICK.....(Bklyn) New York City
- KRANS, EDWARD SHEAFE.....New York City
Bishop's College, Quebec, A.B., 1902.
- LAMB, ALBERT RICHARD.....Waterbury, Conn.
Yale University, A.B., 1903.
- LAMBERSON, WILLIAM.....New York City
- LANDESMAN ISIDOR LOUIS.....New York City
- LARKIN, ARTHUR GABRIEL.....New York City
St. Francis Xavier College, A.B., 1902.

THIRD YEAR CLASS

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LICHTENSTEIN, GEORGE.....	New York City College of the City of New York, A.B., 1899.
LUCAS, DANIEL RALPH.....	Lafayette, Ind. Purdue University, Ph.G., 1901; B.S., 1903.
McBAINE, RICHARD HIRAM.....	Columbia, Mo. University of Missouri, A.B., 1903.
McCREADY, ROBERT LYNES, JR.....	New York City
MANDELBAUM, HERBERT DAVID.....	New York City Columbia University, A.B., 1903.
MILLER, GEORGE EDMUND.....	Utica, N. Y. Hamilton College, A.B., 1903.
MILLER, LOUIS.....	New York City College of the City of New York, A.B., 1903.
MILLS, WILLIAM MERRILL.....	Topeka, Kan. Washburn College, A.B., 1903.
MIXSELL, RAYMOND BOILEAU.....	Easton, Pa. Princeton University, A.B., 1903.
MOECKEL, CARL RICHARD.....	Lawrence, Mass.
MORE, DAVID HUBBELL.....	Bangor, Pa. Lafayette College, Ph.B., 1903.
MUNKER, MAURICE JONES.....	New York City Columbia University, A.B., 1904.
MURN, CHARLES JOSEPH.....	Paterson, N. J. Fordham College, A.B., 1903.
NORTON, CHARLES WORTH.....	San Francisco, Cal.
NORTON, HOWARD LEROY.....	New Castle, Pa.
OPPENHEIMER, EDGAR DAVIDSON.....	New York City Columbia University, A.B., 1904.
OWEN, MAYNARD SMITH.....	Delaware, Ohio Ohio Wesleyan University, A.B., 1903.
PARTRIDGE, GEORGE WILLIAM.....	New York City University of Rochester, A.B., 1903.
PHELPS, GOUVERNEUR MORRIS.....	New Rochelle, N. Y. Harvard University, B.S., 1902.
PHILLIPS, WALTER.....	Alexandria, Pa. Princeton University, A.B., 1902; A.M., 1903.
POWERS, JOHN BREWER.....	Wake Forest, N. C. Wake Forest College, A.B., 1901; A.M., 1903.
RUHL, HENRY LOUIS.....	(Br) New York City St. John's College, A.B., 1903.
SCHILLER, ABRAHAM NOAH.....	New York City College of the City of New York, A.B., 1903.
SCHWARTZ, LOUIS HERBERT.....	New York City College of the City of New York, A.B., 1901.
SLAUGHTER, WILLIAM HARRISON.....	Campbell Hall, N. Y. Hamilton College, Ph.B., 1902.
SMITH, WALTER MONTY.....	Glens Falls, N. Y.
SPELMAN, HARRY TUCKER.....	(Bklyn) New York City
STILLMAN, ALFRED, 2d.....	New York City Harvard University, A.B., 1903.
STILLMAN, RALPH GRIFFITHS.....	Rahway, N. J. Yale University, A.B., 1903.

SULLIVAN, RAYMOND PETER AUGUSTINE.....	(Bklyn) New York City Manhattan College, A.B., 1903.
SUTTON, WALTER STANBOROUGH.....	Kansas City, Kan. Kansas State University, A.B., 1900; A.M., 1901.
SWANN, ARTHUR WARTON.....	Stockbridge, Mass. Harvard University, A.B., 1903.
TAYLOR, CHARLES GOODMAN.....	New York City
TERRIBERRY, WILLIAM KENNEY.....	Somerville, N. J. Yale University, A.B., 1903.
TROTTER, JAMES PATTEN.....	Yonkers, N. Y. Columbia University, A.B., 1904.
TWEDDELL, FRANCIS.....	Great Neck, L. I.
UTLEY, FRED BROWN.....	Gloversville, N. Y. Yale University, A.B., 1903.
VAUGHAN, JOHN COLIN.....	Newark, N. J.
WALL, JAMES PERCY.....	Jackson, Miss. Millsaps College, A.B., 1899.
WALLENSTEIN, CHARLES ABRAHAM.....	(Bklyn) New York City
WEINGARTEN, FREDERICK SIMON.....	(Br) New York City University of Chicago, B.S., 1904.
WILENSKY, ABRAHAM OWEN.....	New York City College of the City of New York, A.B., 1903.
WOODS, EDWARD BIGELOW.....	Pittsburg, Pa. Princeton University, B.S., 1903.
WOODS, THOMAS HENRY, Jr.....	(Bklyn) New York City St. Francis College, Brooklyn, A.B., 1901.
Third Year—Class of 1907..... 100	

SECOND YEAR—CLASS OF 1908

ABRONS, HARRY.....	New York City
BAEGL, MAX.....	New York City
BAEHR, GEORGE.....	New York City
BANNON, WILLIAM JOSEPH.....	Westerly, R. I.
BARNETT, NATHANIEL.....	New York City
BATES, EDWIN CASSIUS.....	St. Stephen, N. B.
BLAKELY, STUART BANYAR.....	Otsego, N. Y. Hamilton College, A.B., 1903.
BLOOMGARDEN, AARON SAMUEL.....	Bayonne, N. J.
BOWERS, WESLEY CREVELING.....	Washington, N. J. Princeton University, A.B., 1904.
BRENNER, EDWARD CHRISTOPHER.....	New York City College of the City of New York, A.B., 1904.
BROWN, FRANCIS EARL.....	Los Angeles, Cal. Illinois Wesleyan University, B.S., 1903.
BROWNELL, EVERETT GARNSEY.....	Medford, Mass. Union University, A.B., 1900.
BURKE, RUSH PEARSON.....	Montgomery, Ala. Alabama Polytechnic Institute, B.Sc., 1903; M.Sc., 1904.
BURNETT, THOMAS WARD.....	Summit, N. Y.
CANTO, YSIDRO HERRERA.....	Merida, Yucatan, Mexico Boston University, B.S., 1900.
CARLUCCI, GASTON ARTHUR.....	New York City
CASSEBEER, ALFRED FREDERICK.....	Rochester, N. Y.
CASSINI, HERMAN.....	Orange, N. J.

- COBLE, MORRIS SOLOMON.....New York City
College of the City of New York, A.B., 1902.
- COMMORATO, JOHN RALPH.....New York City
- DUDLEY, LIONELL ELWOOD.....Mapleton, Me.
Colby College, A.B., 1903.
- FARRELL, JOHN RAYMOND.....(Br) New York City
- FELD, HYMAN.....New York City
- FELDMAN, JOEL WILLIAM.....New York City
- FERNANDEZ, FRANCISCO MARIA Y HERNANDEZ.....Bolondron, Matanzas, Cuba
University of Havana, Cuba, B.S., 1901.
- FULDA HARRY CHRISTIAN.....(Bklyn) New York City
- GEIST, SAMUEL HERBERT.....New York City
College of the City of New York, A.B., 1904.
- GELB, LOUIS.....New York City
- GEORGEN, CLARENCE BELDEN.....Yonkers, N. Y.
- GRAVES, ARTHUR COON.....Adams Centre, N. Y.
- GRAY, JOHN HENRY.....Port Murray, N. J.
- GREENBERG, LOUIS.....New York City
College of the City of New York, B.S., 1904.
- HANGARTER, ANDREW HENRY.....(Bklyn) New York City
Canisius College, Buffalo, A.B., 1904.
- HAYWARD, VINCENT SUMNER.....(Br) New York City
- HERBERMANN, CHARLES GEORGE, Jr.....New York City
St. Francis Xavier College, A.B., 1904.
- HUMPHREYS, GEORGE HOPPIN.....New York City
Yale University, Ph.B., 1898.
- HUNT, J. JAY.....Bayonne, N. J.
- HURWITZ, FRANK.....(Bklyn) New York City
College of the City of New York, A.B., 1904.
- JOHNSON, TRAVIS JAMES AUGUSTUS.....New York City
College of the City of New York, A.B., 1904.
- KLEINBERG, SAMUEL.....(Bklyn) New York City
- KRAMER, ISAAC.....New Rochelle, N. Y.
College of the City of New York, B.S., 1899.
- LEBER, OTTO HERMAN.....Hoboken, N. J.
Columbia University, A.B., 1904.
- LEVY, ISADORE JESSE.....Syracuse, N. Y.
Syracuse University, Ph.B., 1904.
- LITTENBERG, SAMUEL JOSHUA.....New York City
College of the City of New York, A.B., 1904.
- LYON, DARWIN OLIVER.....Mt. Vernon, N. Y.
- MCCARTHY, CHARLES ALOYSIUS.....Lawrence, Mass.
- MCCLUSKEY, RICHARD JOHN.....Lowell, Mass.
- MCLEAN, CORNELIUS STAFFORD.....Newburgh, N. Y.
- MICHAILOVSKY, BENJAMIN.....New York City
College of the City of New York, B.S., 1899.
- MONROE, OTHO LEE.....Galion, Ohio
Ohio Wesleyan University, B.S., 1904.
- MYERSON, ABRAHAM.....New York City
- NILSEN, ARTHUR.....New York City
Yale University, A.B., 1904.
- PERSHING, CYRUS LONG.....Pottsville, Pa.
Princeton University, B.S., 1889.
- PORTER, CHARLES HUNT, Jr.....Newport, R.

RAMSDELL, EDWIN GEORGE.....	New York City Columbia University, A.B., 1905.
RATTNER, CHARLES GEORGE.....	New York City
REED, DUDLEY BILLINGS.....	Madison, Wis. Oberlin College, A.B., 1901.
ROBERTS, WILLIAM HAWLEY.....	Attleboro, Mass.
ROCKEY, PAUL.....	Portland, Ore.
ROOME, CLARENCE TYLEY.....	Berwyn, Ill. Oberlin College, A.B., 1904.
RUTLEDGE, WILLIAM CLOUD.....	Duncan Falls, Ohio Ohio Wesleyan University, A.B., 1903.
SCHAEFFER, SAMUEL.....	New London, Conn.
SIBBEL, ARMIN JOSEPH.....	(Br) New York City St. John's College, Fordham, A.B., 1904.
SILLECK, WALTER MANDEVILLE.....	New York City New York University, B.S., 1904.
SIMONS, IRVING.....	Nashville, Tenn. Vanderbilt University, B.S., 1904.
SLOANE, FRANCIS JOHNSTON.....	New York City Princeton University, A.B., 1904.
SOPER, WILLARD BURR.....	Bloomington, Ill. Yale University, A.B., 1904.
STRONG, ARCHIBALD MCINTYRE.....	New York City Princeton University, A.B., 1904.
STURTEVANT, MILLS GOVE.....	Manchester, N. H. Dartmouth College, A.B., 1904.
TARBELL, FRANK WASHINGTON.....	Smyrna Mills, Me. Colby College, A.B., 1904.
TEN BROOK, GLEN JOHN.....	Rochelle, Ind.
TOMPKINS, GRENELLE BERTRAM.....	Paterson, N. J. Columbia University, A.B., 1905.
TOUART, MAXIMIN DE MOUY.....	Mobile, Ala. Spring Hill College, A.B., 1903; A.M., 1905.
TURNER, PAUL AKERS.....	Portland, Me. Amherst College, A.B., 1904.
VAIL, LEROY BENJAMIN.....	(Bklyn) New York City Dartmouth College, B.S., 1904.
WARD, WILLIAM TRULOCK.....	Willard City, Utah
WARING, ANTONIO JOHNSTON.....	Savannah, Ga. Yale University, A.B., 1903.
WESSLER, HARRY.....	New York City College of the City of New York, A.B., 1902.
WHIPPLE, ALLEN OLDFATHER.....	Duluth, Minn. Princeton University, B.S., 1904.
WHITNEY, GEORGE CROSIER.....	Rochester, N. Y. University of Rochester, A.B., 1904.
WILLIAMS, ROBERT ARTHUR.....	Portland, Ore.
YERINGTON, HENRY HERBERT.....	Carson, Nev.
ZELAYA, ANIBAL.....	Manauagua, Nicaragua, C. A.

Second Year—Class of 1908..... 83

FIRST YEAR—CLASS OF 1909

ADAMS, PHINEAS HILLHOUSE.....	New York City Harvard University, A.B., 1905.
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AMES, JAMES SIDNEY.....	Binghamton, N. Y. Wesleyan University, Ph.B., 1905.
AYRES, DANIEL ROE.....	Montclair, N. J. Harvard University, A.B., 1905.
BENDICK, ARTHUR JEROME.....	New York City
BIBBY, HARRY LAMBERT.....	Paterson, N. J.
BLAKENEY, HUGH STANLEY.....	Paris, Texas Randolph Macon College, A.B., 1904.
BLOCK, ALVIN PHILLIP.....	New York City
BLUM, HUGO.....	New Brunswick, N. J.
BRADSHAW, WILLIAM M.....	New York City Princeton University, A.B., 1905.
BURNAP, SIDNEY ROGERS, JR.....	Windsor Locks, Conn. Yale University, A.B., 1905.
CAMPBELL, FRANCIS WILLIAM.....	(Bklyn) New York City St. John's College, Brooklyn, A.B., 1905.
CAREY, JOHN ALOYSIUS.....	(Bklyn) New York City
CASEY, JOHN FRANCIS.....	New London, Conn.
COHN, SIDNEY.....	(Br) New York City College of the City of New York, A.B., 1905.
COWHERD, JOSEPH BIRD.....	Shelbyville, Ky. Central University, B.S., 1905.
CUNNION, ARTHUR JEROME.....	New York City
DEVENDORF, FREDERICK CHRISTOPHER.....	Herkimer, N. Y. St. Lawrence University, 1905.
DUFFIELD, STUART KENNEDY.....	New York City
ECHEVERRIA, FREDERICK JOHN.....	New York City Columbia University, A.B., 1905.
EHRENREICH, SAMUEL.....	New York City
ENFER, EMIL PAUL.....	New York City
ENGLISH, JOHN THEODORE.....	Elizabeth, N. J. Lafayette College, Ph.B., 1905.
EVANS, EDWARD RICHARD.....	Remsen, N. Y. Hamilton College, A.B., 1905.
FAUVER, EDGAR.....	Oberlin, Ohio Oberlin College, A.B., 1899.
FAUVER, EDWIN.....	Oberlin, Ohio Oberlin College, A.B., 1899.
FINDEISEN, WILLIAM ERNST.....	(Bklyn) New York City
FUHRMAN, HERMAN CHARLES.....	New York City
FULTON, CLIFFORD HARRY.....	New York City Williams College, A.B., 1905.
GOSSETT, ABRAHAM JOSEPH.....	New York City
HALE, FRARAY, JR.....	Wallingford, Conn. Amherst College, B.S., 1905.
HALSEY, SAMUEL ARMSTRONG.....	Newark, N. J.
HELBIG, WILLIAM HENRY.....	New York City
HEWITT, RALPH HALLADAY.....	New London, Conn. Amherst College, A.B., 1905.
HOPHEIMER, ALEXANDER.....	New York City College of the City of New York, A.B., 1905.
HYDE, CLARENCE ELMER.....	Cupertino, Cal. Leland Stanford Junior University, A.B., 1905.
JANVRIN, EDMUND RANDOLPH PEASLEE.....	New York City Princeton University, A.B., 1905.

- JARMAN, ALONZO SLOAT.....New York City
 JOHNSON, WILLIAM CLINTON.....Summit, N. J.
 Williams College, A.B., 1905.
- KUTSCHER, SAMUEL.....Stapleton, S. I., N. Y.
 LANCER, JOHN JOSEPH.....(Br) New York City
 LAVAKE, RAE THORNTON.....Rosebank, S. I., N. Y.
 Yale University, A.B., 1905.
- LAVANDERA, MIGUEL.....Vega de Rivadeo, Spain
 LONG, WILLIAM BAYARD.....Spring Lake, N. J.
 LYMAN, GEORGE DUNLAP.....Reno, Nev.
 Leland Stanford Junior University, A.B., 1905.
- MANDEVILLE, FRANK NESLER.....Newark, N. J.
 Brown University, Ph.B., 1905.
- MAYER, LEO.....New York City
 Harvard University, A.B., 1905.
- MCCORMICK, JAMES EDWARD.....Newark, N. J.
 McDONALD, JOHN OLIVER.....Englishtown, N. J.
 Princeton University, A.B., 1905.
- MEISE, AUGUST HERMAN.....(Br) New York City
 St. John's College, Fordham, 1904.
- MORRIS, DUDLEY HENRY.....New York City
 Columbia University, A.B., 1905.
- MOTT, WALTER WESLEY.....New York City
 Columbia University, A.B., 1905.
- NEWMAN, BENJAMIN.....New York City
- OLSAN, HIRAM.....Rochester, N. Y.
 University of Rochester, Ph.B., 1905.
- PATON, FRED WADE.....Bradford, Pa.
 Hamilton College, A.B., 1905.
- POPPER, JOSEPH.....New York City
 PUORRO, MICHAEL.....(Bklyn) New York City
 RAINSFORD, LAURENCE F.....New York City
 Harvard University, A.B., 1904.
- RANSON, ALONZO AINSWORTH.....Havana, Ill.
 Rutgers College, A.B., 1901, A.M., 1904.
- RICHARDSON, CHARLES HYATT, Jr.....Montezuma, Ga.
 Emory College, Ph.B., 1904.
- ROSENBLUM, JACOB.....Braddock, Pa.
 Western University of Pennsylvania, B.S., 1905.
- ROSENSOHN, MEYER.....New York City
 College of the City of New York, B.S., 1901.
- SAYLE, HARVEY RODOLPH.....New York City
 New York University, B.S., 1904.
- SCHAIK, MILTON.....New York City
 SMITH, FRANK CARLIER.....(Bklyn) New York City
 SMITH, MALCOLM KINMOUTH.....Morristown, N. J.
 ST. JOHN, FORDYCE BARKER.....Hackensack, N. J.
 Princeton University, B.S., 1905.
- STEIN, SIDNEY HERMAN.....New York City
 College of the City of New York, A.B., 1905.
- STORK, VICTOR EYTINGE.....Port Townsend, Wash.
 Leland Stanford Junior University, A.B., 1905.
- SULLIVAN, ARTHUR GEORGE.....Eau Claire, Wis.
 VIDAL, JOSEPH EUGENE.....Stapleton, S. I., N. Y.

VINA, TOMAS ANTONIO.....	Santiago de Cuba, Cuba
WADE, SIMON FRANKLIN.....	Hackettstown, N. J. Princeton University, A.B., 1905.
WARDNER, DREW MALLON.....	Pelham Manor, N. Y.
WEST, DAVENPORT.....	Galveston, Texas Princeton University, A.B., 1905.
WHITE, JOHN LAURENCE.....	Perth Amboy, N. J. St. Francis Xavier, A.B., 1899.
WIESELTHIER, MAURICE LOUIS.....	New York City College of the City of New York, A.B., 1905.
WILKERSON, FRED WOOTEN.....	Montgomery, Ala.
YERGASON, ROBERT MOSELEY.....	Hartford, Conn.
YOUNGS, HENRY.....	Goshen, N. Y.
ZIMMERMANN, HARRY BERNARD.....	St. Paul, Minn.
First Year—Class of 1909.....	80

NON-MATRICULATED

COMMONS, ERNEST LEON.....	Richmond, Ind. Medical College of Indiana, M.D., 1902.
HENNEN, WILLIAM DAVISON.....	New York City Columbia University, M.D., 1904.
KAEMMERER, HENRY ANTHONY.....	(Br) New York City
LOCHEAD, DANIEL CAMERON.....	Toronto, Canada Toronto University, M.D., C.M., 1905.
MUÑOZ, LUIS EDUARDO.....	Havana, Cuba Rensselaer Polytechnic Institute, Troy, N. Y., C.E., 1888; B.S., 1889.
NORTH, CHARLES EDWARD.....	Montclair, N. J. Wesleyan University, A.B., 1893. Columbia University, M.D., 1900.
PEABODY, JAMES EDWARD.....	New York City Williams College, A.B., 1892. Harvard University, A.M., 1896.
PERKINS, CHARLES EDWIN.....	(Bklyn) New York City Columbia University, M.D., 1888.
PIERCE, FREDERICK ELLIOTT.....	New Bedford, Mass. College of the City of New York, B.S., 1902.
ROSS, THOMAS WALTER.....	Astoria, Ore. University of Oregon, M.D., 1905.
SAVAGE, CHARLES WINFRED.....	Oberlin, Ohio Oberlin College, A.B., 1893. Harvard University, A.M., 1898.
SMITH, EDWARD FRANKLIN.....	New York City Bellevue Medical College, M.D., 1889.
WING, LUCIUS ARTHUR.....	Columbus, Ohio Ohio State University, B.Sc., 1903.

SUMMARY

Fourth Year—Class of 1906.....	152
Third Year—Class of 1907.....	100
Second Year—Class of 1908.....	83
First Year—Class of 1909.....	80
Non-matriculated.....	13
	<hr/> 428
Seniors from Columbia College.....	13
	<hr/> 441
Total.....	441

THE SCHOOL OF MINES
THE SCHOOL OF CHEMISTRY
THE SCHOOLS OF ENGINEERING

Under the University organization of Divisions these include:

The Division of Chemistry

The Division of Engineering, comprising the Departments of:

Civil Engineering

Electrical Engineering and

Mechanical Engineering

The Division of Mining and Metallurgy

In addition to the above, students under this Faculty attend courses in the Division of Mathematical and Physical Science, including Astronomy, Mathematics, Mechanics, Physics, and in the Division of Geology, Geography, and Mineralogy.

Officers of the Faculty

GEORGE F. SEVER, M.Sc. *Acting Dean and ex-officio Member of the
University Council*

RALPH EDWARD MAYER, C.E. *Secretary*

HENRY S. MUNROE, E.M., Ph.D., Sc.D. *Elected Delegate to the
University Council*

Standing Committees

COMMITTEE ON ADMINISTRATION: Professors Sever (Chairman), Van Amringe, Hutton, Bogert, Peele.

COMMITTEE ON ADMISSIONS: Professors Miller (Chairman), Hallock, Keyser, Mayer, Lovell.

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., Litt.D. (Oxon.) *President*
 J. HOWARD VAN AMRINGE, Ph.D., L.H.D., LL.D. *Professor of*

Mathematics

CHARLES F. CHANDLER, Ph.D., M.D., LL.D., Sc.D. . . *Mitchill Professor
of Chemistry*

HENRY S. MUNROE, E.M., Ph.D., Sc.D. *Professor of Mining*

FREDERICK R. HUTTON, E.M., Ph.D., Sc.D. . . *Professor of Mechanical
Engineering*

- ¹ JOHN KROM REES, E.M., Ph.D. . . . *Rutherford Professor of Astronomy
and Director of the Observatory*
- ALFRED J. MOSES, E.M., Ph.D. *Professor of Mineralogy*
- JAMES F. KEMP, A.B., E.M. *Professor of Geology*
- ROBERT PEELE, E.M. *Professor of Mining*
- WILLIAM HALLOCK, Ph.D. *Professor of Physics*
- FRANCIS B. CROCKER, E.M., Ph.D. *Professor of Electrical Engineering*
- MICHAEL I. PUPIN, Ph.D., Sc.D. *Professor of Electro-Mechanics*
- WILLIAM H. BURR, C.E. *Professor of Civil Engineering*
- THOMAS SCOTT FISKE, Ph.D. *Professor of Mathematics*
- HAROLD JACOBY, Ph.D. *Professor of Astronomy*
- HENRY M. HOWE, A.M., S.B., LL.D. *Professor of Metallurgy*
- CHARLES E. PELLEW, E.M. *Adjunct Professor of Chemistry*
- EARL B. LOVELL, C.E. *Adjunct Professor of Civil Engineering*
- CHARLES R. RICHARDS, B.S. . . *Professor of Manual Training in Teachers
College*
- GEORGE FRANCIS SEVER, M.Sc. . . . *Professor of Electrical Engineering*
- JAMES MACLAY, Ph.D. *Professor of Mathematics*
- EDMUND HOWD MILLER, Ph.D. *Professor of Analytical Chemistry*
- MARSTON TAYLOR BOGERT, A.B., Ph.B. *Professor of Organic
Chemistry*
- J. LIVINGSTON RUTGERS MORGAN, Ph.D. *Professor of Physical
Chemistry*
- AMADEUS W. GRABAU, S.D. *Professor of Palæontology*
- RALPH EDWARD MAYER, C.E. *Adjunct Professor of Mechanical
Drawing*
- IRA H. WOOLSON, E.M. . . *Adjunct Professor of Mechanical Engineering*
- CASSIUS JACKSON KEYSER, Ph.D. . . . *Adjunct Professor of Mathematics*
- HERSCHEL C. PARKER, Ph.B. *Adjunct Professor of Physics*
- GEORGE L. MEYLAN, A.M., M.D. *Adjunct Professor of Physical
Education*
- AMASA TROWBRIDGE, Ph.B. *Adjunct Professor of Mechanical
Engineering*
- LEA MCILVAINE LUQUER, Ph.D. *Adjunct Professor of Mineralogy*
- BRADLEY STOUGHTON, B.S. *Adjunct Professor of Metallurgy*
- ¹ JAMES S. C. WELLS, Ph.D. . *Adjunct Professor of Analytical Chemistry*
- JOSEPH C. PFISTER, A.M. *Adjunct Professor of Mechanics*
- HENRY CLAPP SHERMAN, Ph.D. *Adjunct Professor of Analytical
Chemistry*
- ALBERT P. WILLS, Ph.D. *Adjunct Professor of Mechanics*
- SAMUEL A. TUCKER, Ph.B. *Adjunct Professor of Electro-Chemistry*

PROFESSIONAL COURSES

The Faculty of Applied Science has charge of the following schools:

- i. The SCHOOL OF MINES, with four-year courses leading to the degree of Engineer of Mines and Metallurgical Engineer.

¹ Absent on leave.

2. The SCHOOL OF CHEMISTRY, with four-year courses in Analytical and Organic Chemistry and Chemical Engineering, leading to appropriate degrees.

3. The SCHOOLS OF ENGINEERING, with four-year courses in Civil Engineering, Sanitary Engineering, Electrical Engineering, and Mechanical Engineering, the first two leading to the degree of Civil Engineer, and the others to the degree of Electrical Engineer and Mechanical Engineer, respectively.

Full particulars regarding each of these courses of study are contained in special Bulletins of Information, which will be forwarded on application to the Secretary of the University.

These courses are intended to meet the requirements of the several professions indicated. Many of the courses permit a certain amount of specialization, particularly in the fourth year. The courses in the School of Mines are so arranged that the student can emphasize the engineering, the metallurgical, or the geological side of his profession, while one of the alternative courses in Mechanical Engineering is designed for those who wish to make a specialty of mine plant and machinery. A course in Sanitary Engineering (leading to the degree of Civil Engineer) is provided for those who wish to prepare themselves for this important branch of civil engineering. The Mechanical Engineering course offers three alternatives in the fourth year, emphasizing, respectively, the dynamic, the marine, the naval, and the locomotive sides of the mechanical engineer's work.

Modifications of Regular Courses

Under proper restrictions, and for reasons of weight, a student will be permitted to substitute one study for another in any of the regular courses (see By-Law 2, page 261). By taking advantage of this provision, candidates for degrees can fit themselves for special lines of professional work; for example, students whose professional work is likely to take them to Spanish-speaking countries, should arrange for a proper course in that language.

ADMISSION

The Committee on Admissions of the Schools of Applied Science has charge of everything relating to this subject. Candidates for admission to the first-year class must be at least eighteen years of age at the time of matriculation. For further regulations see Admission to Columbia College, page 194.

Requirements for Admission

Every candidate for admission to the first-year class must offer at the entrance examinations (see below) subjects amounting to sixteen "points." The points here represent the number of years, at the rate

of five periods a week, which will normally be required in the secondary school to prepare adequately for the college examination.

The candidate *must* offer:

	COUNTING IN POINTS
Chemistry.....	1
Freehand Drawing.....	1
English.....	3
Elementary German.....	2
Elementary History.....	2
Elementary Physics.....	1
Mathematics, elementary and advanced, and two points from one of the following subjects:	4
Elementary French.....	2
Elementary Latin (see note, page 177).....	2
Spanish.....	2

For full definition of the above requirements and for information regarding the times and places at which entrance examinations are held, regulations regarding division of examinations, examinations outside of New York, application blank, and examination fees, see pages 163-184.

Certificates in Lieu of Entrance Examinations

The same regulations apply to the Schools of Applied Science as to Columbia College, and to the Committee on Admissions of the Schools of Applied Science as to the Committee on Admissions of Columbia College (see page 194.)

Entrance with Conditions

Except for reasons of weight no student will be admitted who is deficient in Mathematics, Chemistry, or Physics.¹

Admission to Advanced Standing

Candidates for admission from other universities or colleges, and those desiring to be admitted to advanced standing on examination, must make application in writing to the Chairman of the Committee on Admissions of the Schools of Applied Science in time to reach him before September 11, 1906.

The application must be accompanied by:

1. A catalogue of the institution for work in which credit is desired. The courses which the candidate has completed must be distinctly marked in this catalogue.
2. Properly certified official statements of his standing in the subjects which he offers.
3. Letters or other evidence vouching for his character and honorable dismissal from the institution from which he comes.

¹ It is suggested that candidates deficient in one or more of these subjects in June arrange to take courses in them in the Summer Session of Columbia University, the Announcement of which will be sent upon application to the Secretary of the University.

Each candidate for a degree seeking admission to advanced standing must show that he has attained proficiency in the equivalents of:

1. The requirements for admission to the first-year class.
2. All the prescribed studies already pursued by the class to which he seeks admission.

A candidate may be admitted notwithstanding deficiencies in some of these studies, but no candidate will be recommended for a professional degree until he shall have completed all the studies required for that degree.

No applicant will be allowed to enter the fourth-year class as a candidate for a degree after October 15 in any year.

The Committee on Admissions will notify the candidate by mail at the address given in his letter, between September 10 and 15, 1906,¹ what courses, of those offered, are accepted as equivalent to courses at Columbia University. The Committee gives credit for complete courses only. In cases where the work previously done by the candidate has not been accepted by the Committee, the candidate may present himself for examination during the week immediately preceding the opening of the University, in 1906, September 17-22, at the times and places at which the special fall examinations are held. When no examination is held for the course at this time, the candidate may present himself for examination between the hours of 10 A.M. and 12 M. at the office of the head of the department giving the course. The schedule of fall examinations is to be obtained from the Registrar. A fee of \$5 is charged for these examinations, for all applicants who do not take them at the regular time.

In cases where credit for part of a course might be given, the candidate will present his case to the department concerned, at the times given above, for final adjustment. He should bring with him drawings, note-books, or other evidence showing the scope and character of the work for which he wishes credit.

Examinations will not be given after the opening of the University except for reasons of weight.

Admission to Special Courses

Graduates of the Schools of Applied Science and of other institutions of equal grade, may pursue any subjects taught in the schools for which they are properly qualified.

Except for reasons of weight satisfactory to the Committee on Admissions no one will be admitted as a non-matriculated student who, within ten months of the time of his application, has been refused admission, or has failed in his work, as a candidate for a degree.

Persons who wish merely to pursue elementary subjects, such as may be offered for admission, are not received as non-matriculated students.

¹ When the candidate is at a considerable distance from the University, his application must be made earlier than September in order that he may receive the reply in time to present himself at the University on September 17, 1906.

Persons of mature age who are not graduates, but who show special qualifications, are sometimes permitted to pursue special courses, but this permission is not given to others.

Non-matriculated students will be held to the observance of the same regulations as to attendance, examination, proficiency, and deficiency as matriculated students.

Registration

For the regulations prescribed for all students, see page 23. For such further regulations as may be prescribed for the students of the Schools of Applied Science, see the Circular of General Information for 1906-07.

Fees

(See page 24)

By-Laws of the Faculty

1. No student is allowed to be a candidate for more than one of the professional degrees at the same time.

2. For reasons of weight the substitution of a subject in any professional course for an approved equivalent may be made by the Dean on the request of any candidate for a degree, provided that such substitution have the approval of the heads of the departments concerned and of the department giving the technical instruction that leads to the degree for which the student is a candidate.

3. Prompt and regular attendance is required of every student upon the exercises and examinations of the courses for which he is enrolled.

4. The instructor in each subject shall keep a careful record of the attendance, and, as far as practicable, of the scholarship, of all students entitled to attend that subject. It shall be the duty of the instructor to warn any student found deficient in scholarship or irregular in attendance, and if such deficient scholarship or irregular attendance continue thereafter he shall report his name through the head of the department to the Dean.

5. Any student so reported may be put upon probation by the Dean, or debarred by him from examination after due opportunity for personal explanation.

6. The Dean may also debar from examination in any subject any student reported to him as having incurred, with or without good reason, absences so numerous that, in the judgment of the head of the department concerned, it has become essential that he should repeat that subject; and any student so debarred shall not be admitted to examination in that subject until he has attended the full course therein.

7. By special permission of the Dean, with the concurrence of the head of the department concerned, students may attend exercises not required in the class or subject to which they belong, provided that

such attendance does not interfere with the required exercises of their class. Such students are held to the same rules as to attendance and examination in their extra studies as in the required studies of their class.

8. Any student who shall have passed a satisfactory examination in Columbia College in any study forming a part of one of the professional courses in the schools under the Faculty of Applied Science will not be required to pursue that study a second time.

Examinations and Standing

9. Regular examinations in each course will be held at the end of the first half-year (mid-year), or at the end of the year (final). All other examinations, except examinations for admission to advanced standing, are special examinations.¹ Such examinations for students debarred or deficient at the regular examinations will be held during the two weeks preceding the opening of the first half-year, and for members of the fourth class only, and for subjects belonging to that year only, in the first week in May. In the case of subjects and courses which require the use of collections and apparatus, the special examination will be held during the week following the holidays at Christmas.

10. A student found deficient in a subject at any of the examinations above provided will not be allowed a further special examination in that subject.

11. A student absent from the regular mid-year, final, or stated special examinations will be considered to have failed to pass that examination, and will not be allowed a further special examination in that subject, except that, if the absence was due to unavoidable circumstances, the Dean may, on proper written certification of these circumstances, grant such special examination.

12. The fee for special examination is \$5.00, which must be paid by the student before being admitted to the examination. If a student has special examinations in several subjects granted to him under one permit from the Dean, specifying each subject, one fee of \$5.00 shall cover them all.

13. Every officer, after the stated examinations have been held, shall report to the Registrar a list of all students who have attended his instruction, indicating their proficiency by numbers on a maximum of 10, a mark below 6 constituting a failure to pass. A student reported in grade 6 in a majority of the subjects pursued by him in any year, and not reported in grade 8 or higher in the greater part of the remainder of such subjects, will not be permitted to go on with his class without the consent of the Dean and the head of the department giving the technical instruction that leads to the degree for which the student is a candidate. This consent will be given only for reasons of weight, but the student may enter the next succeeding class and pursue such

¹ For such examinations a fee of \$5 is charged as in Rule 12.

subjects as may be required of him. Each student's record will be transmitted to him at the close of each year.

14. Any student who shall fail to pass in any of his studies at the regular mid-year or final examinations shall present himself for a second examination as above provided under the By-Laws; failing to pass in this second examination he shall be dropped from his class and required to repeat the subject with the next following class, but the Dean may exercise his discretion in excusing him from attendance on the exercises of such a subject, holding him to such other requirements as may seem advisable; failing a third time to pass a satisfactory examination in any study, his name shall be dropped from the roll of the school. A student so dropped shall have the right of appeal to the Faculty.

15. Students shall be enrolled in the class in which at least 75 % of their hours are taken; provided, however, that no student shall be advanced from the first to the second class who has any entrance condition in Mathematics, Chemistry, or Physics; no student shall be advanced to the third class who has any entrance conditions or any deficiencies of the first year; no student shall be admitted to the fourth class who has any deficiency in the first or second year, or more than one deficiency in the third year. A student dropped from the roll of his class shall not be permitted to attend any of the exercises of the said class without the consent of the Dean given for reasons of weight.

16. Students failing in any subject shall not be permitted to take advanced studies for which, by reason of such deficiency, they are not prepared; nor will such students be allowed to attend any Summer School without permission of the Dean.

17. Students who have received one degree and make application for another in the Schools of Applied Science must comply with all the requirements for that degree in force at the date of application.

Memoirs and Summer Work

18. During the vacations following the close of each year, memoirs, on subjects which will be assigned are required of students in the courses of Civil Engineering, Electrical Engineering, Mechanical Engineering, of Analytical, Industrial, and Organic Chemistry. The time specified for the completion and handing in of memoirs in chemistry and electrical engineering is November 1 of each year; for other memoirs and summer work the time specified is the second Monday in October.

19. Students of the second, third, and fourth classes who fail to hand in the memoirs, drawings, and other summer work required of them under the rules by a specified time, shall not be permitted to hand them in until the beginning of the next academic year, and failing in this latter requirement they shall be dropped from the roll of the class. This requirement may be waived, for reasons of weight, in the case of students of the fourth class.

Laboratories and Drawing-Rooms

20. No student will be allowed without permission in a laboratory or drawing-room at a time when his attendance there is not due. During hours assigned for practical work in the laboratories and drawing-rooms, the attendance of students is required.

Elective Courses Open to Students in the College

All the studies of the first year, and many of the second-year courses of the School of Mines, the School of Chemistry, and the Schools of Engineering, are included among the electives offered to students of Columbia College (see page 200).

By a judicious arrangement of his course of study from the beginning, a graduate of Columbia College can thus enter the third year of any of the above schools.

Excursions

During the session, the students may visit the different mines, machine shops, electrical and metallurgical establishments, chemical works, and points of geological interest of the city and its environs, and excursions for this purpose are frequently organized by the different departments.

Summer Courses

SUMMER COURSE IN SURVEYING. (See page 61.)

SUMMER COURSE IN GEODESY. (See page 46.)

SUMMER COURSE IN MINING. (See page 120.)

SUMMER COURSE IN METALLURGY. (See page 114.)

SUMMER COURSE IN GEOLOGY. (See page 86.)

Equipment and Collections

Detailed information as to the laboratories, museums, collections, libraries, and other facilities for study and research will be found in the departmental statements as follows:

Chemistry, page 57.

Civil and Sanitary Engineering, page 61.

Electrical Engineering, page 79.

Geology, page 86.

Mechanical Engineering, page 112.

Metallurgy, page 115.

Mineralogy, page 117.

Mining, page 121.

Physics, page 143.

Chemical and Assay Apparatus

(See page 58)

OUTLINE OF PROFESSIONAL COURSES OF STUDY

(For details as to each course of study see the departmental statements, pages 36-162 of this volume.)

COURSE IN CIVIL ENGINEERING

FIRST CLASS	SECOND CLASS	THIRD CLASS	FOURTH CLASS
Botany 7	Chemistry 81-82	Astronomy 105-106	Astronomy 109 (1st term)
Chemistry 3-4	Civil Engineering 21	Civil Engineering 51-52	Civil Engineering 75
Chemistry 61-62	Elec. Engineering 1	Civil Engineering 53-54	Civil Engineering 79
Civil Engineering 4	Elec. Engineering 2	Civil Engineering 55-56	Civil Engineering 85
Mathematics 1	Geology 18	Civil Engineering 57-58	Civil Engineering 87-88
Mathematics 2	Mathematics 5-6	Civil Engineering 59	Civil Engineering 89-90
Mathematics 3-4	Drawing 5-6	Civil Engineering 61	Civil Engineering 94
Drawing 1-2	Drawing 7-8	Civil Engineering 62	Civil Engineering 96
Drawing 3-4	Mech. Engineering 63-64	Elec. Engineering 68	Civil Engineering 98
Mech. Engineering 61-62	Mechanics 101-102 (2d term)	Elec. Engineering 72	Civil Engineering 100—Thesis
Physics 3-4	Mechanics 9	Mech. Engineering 12	Mech. Engineering 13-14
Summer Work:	Metallurgy 4 (2d term)	Mechanics 101-102 (1st term)	Mech. Engineering 24
Civil Engineering 15 (five weeks)	Mineralogy 5 (1st term)	Mechanics 106	Mech. Engineering 71
Gymnasium	Physics 43-44, practice	Summer Work:	Mech. Engineering 76
	Gymnasium	{ Astronomy 32	
	Summer Work:	{ Civil Engineering 71 (four weeks)	
	{ Civil Engineering 25 (five weeks)		
	{ Civil Engineering 26 (two weeks)		

COURSE IN MINING ENGINEERING

FIRST CLASS	SECOND CLASS	THIRD CLASS	FOURTH CLASS
Chemistry 3-4 Chemistry 61-62 Civil Engineering 1-2 Mathematics 1 Mathematics 2 Mathematics 3-4 Drawing 1-2 Mineralogy 12 Physics 1 Gymnasium Summer Work: Civil Engineering 15 (five weeks)	Chemistry 66 Chemistry 81-82 Civil Engineering 23 Elec. Engineering 1 Elec. Engineering 2 Geology 2 Mathematics 5-6 Drawing 3-4 Drawing 7-8 Mechanics 1 Mechanics 21 Physics 43-44 Gymnasium Summer Work: { Civil Engineering 27 (five weeks) Civil Engineering 28 (four weeks)	Chemistry 69 (1st term) Civil Engineering 53-54 Civil Engineering 55-56 Civil Engineering 64 Elec. Engineering 68 and 72 Geology 3 Geology 4 (2d term) Mech. Engineering 69 Mech. Engineering 76 Mechanics 1 (1st term) Metallurgy 1 Metallurgy 2a Metallurgy 2b Mining 51 Mining 52 Mining 54 Mining 59 Mining 70 Mineralogy 6 (2d term)	Civil Engineering 76 1 Geology 6 Geology 10 (2d term) 2 Geology 16a (2d term) 2 Mech. Engineering 13-14 2 Mech. Engineering 24 Mech. Engineering 71 Mechanics 20 (1st term) Metallurgy 3a Metallurgy 3b 2 Metallurgy 71-72 Mining 55 Mining 56 Mining 71-72 Mining 75 Mining 77-78 Mining 81-82 Mining 82a Mining 91-92

¹ Geological option.² Mining option.

COURSE IN METALLURGICAL ENGINEERING

COURSES OF INSTRUCTION

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FIRST CLASS	SECOND CLASS	THIRD CLASS	FOURTH CLASS
Chemistry 3-4 Chemistry 61-62 Civil Engineering 1-2 Mathematics 1 Mathematics 2 Mathematics 3-4 Drawing 1-2 Mech. Engineering 1 Mineralogy 12 Physics 3-4 Gymnasium Summer Work: Civil Engineering 15 (five weeks)	Chemistry 163-164 Electrical Engineering 1 Electrical Engineering 2 Geology 2 Geology 4 (2d term) Mathematics 5-6 Mech. Eng. 12 (2d term) Mechanics 1 (2d term) Mechanics 21 (1st term) Metallurgy 4 Metallurgy 54 Metallurgy 64 Mineralogy 6 (2d term) Physics 43-44, practice Gymnasium Summer Work: Civil Engineering 27 (five weeks)	Chemistry 69 Civil Engineering 53-54 Civil Engineering 55-56 Civil Engineering 64 Elec. Engineering 68 Elec. Engineering 72 Geology 3 Geology 13 Drawing 3-4 Mechanics 1 (1st term) Mechanics 4 Metallurgy 1 (1st term) Metallurgy 2 (2d term) Metallurgy 51 (1st term) Metallurgy 52 (2d term) Metallurgy 62 Metallurgy 171-172 Mineralogy 6 Mining 54 Mining 70	Chemistry 121-122 Chemistry 167-168 Elec. Engineering 107-108 Mech. Engineering 13-14 Mech. Eng. 71 (1st term) Mech. Eng. 24 (2d term) Metallurgy 3 (1st term) Metallurgy 53 Metallurgy 55 Metallurgy 77-78 Mining 81-82 Mining 82a Mining 91-92

COURSE IN MECHANICAL ENGINEERING

FIRST CLASS	SECOND CLASS	THIRD CLASS	FOURTH CLASS
Chemistry 3-4	Chemistry 81-82	Elec. Engineering 73	Elec. Engineering 75
Chemistry 61-62	Electrical Engineering 1	Elec. Engineering 101	Elec. Engineering 103
Mathematics 1	Electrical Engineering 2	Elec. Engineering 104	Elec. Engineering 105
Mathematics 2	Mathematics 5-6	Mech. Eng. 5b (1st term)	Elec. Engineering 112
Mathematics 3-4	Drawing 5-6	Mech. Engineering 7-8	Mech. Engineering 15
Drawing 1-2	Drawing 7-8	Mech. Engineering 13-14	¹ Mech. Engineering 19-20
Drawing 3-4	Mech. Eng. 6 (2d term)	Mech. Engineering 17-18	¹ Mech. Engineering 21-22
Mech. Engineering 1-2	Mech. Engineering 12	Mech. Engineering 31-32	Mech. Engineering 24
Physics 3-4, theory	Mech. Engineering 63-64	Mech. Engineering 35-36	¹ Mech. Engineering 25-26
Physics 43-44, practice	Mechanics 1 (2d term)	Mech. Engineering 37	Mechanical Engineering 33
Gymnasium	Mechanics 21 (1st term)	Mech. Engineering 39-40	Mech. Engineering 33
	Metallurgy 4 (2d term)	Mech. Engineering 41-42	Mech. Engineering 39-40
	Physics 43-44, practice	Mech. Engineering 46	Mech. Engineering 53-54
	Gymnasium	Mech. Eng. 52 (2d term)	³ Mech. Engineering 81-82
		Mechanics 1 (1st term)	³ Mech. Engineering 83-84
		Mechanics 4 (2d term)	³ Mech. Engineering 85-86
			³ Mech. Engineering 87
			² Mech. Engineering 89-90
			Thesis

¹ Dynamic option.³ Locomotive option.² Marine option.

COURSE IN ELECTRICAL ENGINEERING

FIRST CLASS	SECOND CLASS	THIRD CLASS	FOURTH CLASS
Chemistry 3-4	Chemistry 65	Civil Engineering 53-54	Chemistry 37
Chemistry 61-62	Chemistry 81-82	Civil Engineering 55-56	Elec. Engineering 54
Mathematics 1	Electrical Engineering 1	Electrical Engineering 51	Elec. Engineering 98, Thesis
Mathematics 2	Electrical Engineering 2	Elec. Engineering 52	Elec. Engineering 103
Mathematics 3-4	Mathematics 5-6	Elec. Engineering 101	Elec. Engineering 105
Drawing 1-2	Drawing 5-6	Elec. Engineering 104	Elec. Engineering 106
Drawing 3-4	Drawing 7-8	Elec. Engineering 173-174	Elec. Engineering 107-108
Mech. Engineering 61-62	Mech. Engineering 6	Mech. Engineering 13-14	Elec. Engineering 110
Physics 3-4	Mech. Engineering 12	Mech. Engineering 35-36	Elec. Engineering 112
Gymnasium 4	Mech. Engineering 63-64	Mech. Engineering 76	Elec. Engineering 175-176, 177
	Mechanics 1 (2d term)	Mechanics 1 (1st term)	Mech. Engineering 24
	Mechanics 21 (1st term)	Mechanics 4 (2d term)	Mech. Engineering 71
	Metallurgy 4	Mechanics 6 (1st term)	Mech. Engineering 77
	Physics 105-106, theory	Mechanics 7 (2d term)	Mechanics 4 (2d term)
	Physics 43-44, practice		Mechanics 8 (1st term)
	Gymnasium		Mechanics 9 (2d term)

COURSES IN ANALYTICAL, ORGANIC, AND INDUSTRIAL CHEMISTRY AND CHEMICAL ENGINEERING *

FIRST CLASS	SECOND CLASS	THIRD CLASS	FOURTH CLASS
Chemistry 3-4 Chemistry 61-62 Mathematics 1 Mathematics 2 Mathematics 3-4 Drawing 1-2 Mineralogy 12 Physics 3-4 Gymnasium 4 Civil Engineering 1 4 Mech. Engineering 103-104 4 Mineralogy 15 4 Physics 35-36 Summer Work Civil Engineering 15	Chemistry 21-22 Chemistry 41-42 Chemistry 81-82 Chemistry 103-104 Elec. Engineering 1 Elec. Engineering 2 Mathematics 5-6 Gymnasium 4 Mechanics 9 4 Mechanics 1 4 Drawing 3-4 4 Mech. Engineering 11 4 Mech. Engineering 106-107 Summer Work 4 Chemistry 30	2 Chemistry 69 (2d term) Chemistry 83-86 3 Chemistry 87 (1st term) Chemistry 88 (2d term) Chemistry 91-92 Chemistry 101-102 Chemistry 171 (1st term) Elec. Engineering 107-108 Mech. Eng. 12 (2d term) Mechanics 5-6 Metallurgy 1-5 1 2 Mineralogy 8 (2d term)	Chemistry 85-86 1 2 Chemistry 89 or 90 Chemistry 121-122 Chemistry 141-142 1 Chemistry 143-144 2 Chemistry 167-168 and 173-174 3 Chemistry 182 (2d term) 3 Elec. Engineering 68 Elec. Engineering 72 Mech. Engineering 12-13 Metallurgy 2 and 5b (1st term) 2 Metallurgy 3 (2d term) Thesis

¹ Organic option.² Analytical option.³ Industrial option.⁴ Chemical Engineering option.

* First and second years only.

REGISTER OF STUDENTS

Schools of Mines, Chemistry, and Engineering

FOURTH YEAR—CLASS OF 1906

MINING ENGINEERING

ASHMEAD, DEVER CAMPBELL.....	Yonkers, N. Y.
AUERBACH, HERBERT S.....	Salt Lake City, Utah
BAXTER, HAROLD.....	Denver, Colo.
CARRINGTON, WARING.....	Newark, N. J.
CHURCH, JOHN ADAMS, Jr.....	New York City
DUNN, DREW HAVEN.....	Pasadena, Cal.
EDDINGFIELD, FRANK TRAVERS.....	Washington, D. C.
EVANS, ALFRED WINTER.....	"The Grange," Westerham, Kent, England
FRANC, CARL BENJAMIN, Jr.....	(Bklyn) New York City
FULTON, CHESTER ALAN.....	Yonkers, N. Y.
GIBERT, FREDERIC EDWARD, Jr.....	Biarritz, France
HAIGHT, CLARENCE MICHAEL.....	New York City
JOHNSON, ARTHUR MICHAEL.....	Canal Dover, Ohio
JOHNSON, HERMAN NORTON.....	Binghamton, N. Y.
Amherst College, A.B., 1903.	
KELLOGG, LEE OLDS.....	St. Paul, Minn.
University of Minnesota, A.B., 1902.	
KNIPPIN, LLOYD MALCOLM.....	Paterson, N. J.
MACKALLOR, DEWITT CLINTON.....	New York City
MILLS, RONALD VAN AUKEN.....	Washington, D. C.
MUIR, DOWNIE DAVIDSON, Jr.....	Worcester, Mass.
NEBECKER, AQUILA CHAUNCEY.....	Lake Town, Utah
Agricultural College, B.S., 1903.	
POCOCK, CECIL WALTER.....	Bayonne, N. J.
PRENTIS, EDMUND ASTLEY, Jr.....	New York City
SCHULTZ, ROBERT SPENCER, Jr.....	Philadelphia, Pa.
SIMPSON, KENNETH MILLER.....	Beaver Falls, Pa.
Columbia University, A.B., 1903.	
SUYDAM, ALBERT GODFREY.....	Ridgefield, N. J.
TAYLOR, HENRY BOWMAN.....	Kansas City, Mo.
THOMAS, CHARLES SEWELL, Jr.....	Denver, Colo.
WILLIS, RUSSELL H.....	New York City
YOUNG, ALFALES BURGESS.....	Salt Lake City, Utah

CIVIL ENGINEERING

BAYLIS, ROSWELL SPENCER.....	Huntington, L. I.
BECKER, RUDOLPH CONRAD.....	New York City
College of the City of New York, B. S., 1903.	
BLICKENSDEFFER, CLARK.....	Denver, Colo.
BRADY, THOMAS J., Jr.....	New York City
COSGROVE, JOHN DANIEL.....	(Bklyn) New York City

DEUTSCH, MAURICE.....	New York City
DOUGHTY, JOHN BODINE.....	Jericho, L. I.
FINCH, JAMES KIP.....	New York City
GOODWIN, HENRY HARRISON.....	Medina, N. Y.
GREENE, RUSSELL DE COSTA.....	New York City
HOSFORD, LEONARD POST.....	(Bklyn) New York City
McKINNEY, FRANCIS WILLIAM.....	Madison, N. J.
	Columbia University, A.B., 1904.
MERRITT, JAMES H.....	Tarrytown, N. Y.
OTT, CHARLES A.....	New York City
PITOU, EUGENE, Jr.....	New York City
	Columbia University, A.B., 1904.
POLISHOOK, SAMUEL NOAH.....	New York City
SEWELL, FRANK HOUGHTON.....	New York City
	Columbia University, A.B., 1902.
STINSON, JOSEPH WHITTLA.....	New York City
THOMAN, WILLIAM FREDERICK.....	New York City
	Columbia University, A.B., 1903.
TOLL, ROGER WOLCOTT.....	Denver, Colo.

ELECTRICAL ENGINEERING

COSTELLO, THOMAS J.....	New York City
FERENCZY, ARTHUR.....	Pécs, Hungary
	Reale schule, Hungary (equiv. A.B.), 1902.
FETTRETCH, CHARLES SIMMONS.....	New York City
FREUND, MORTIMER.....	New York City
GAY, FRAZER WALKER.....	Newark, N. J.
	Columbia University, A.B., 1904.
GOLDBAUM, LOUIS.....	(Bklyn) New York City
JOSEPHI, ROBERT.....	New York City
KAUFMAN, ALFONSE.....	New York City
KILBOURNE, COVINGTON GUION.....	New York City
KIRSCHBERG, HAROLD.....	New York City
	College of the City of New York, B.S., 1903.
KNAKAL, WILLIAM ROBERT.....	New York City
	College of the City of New York, B.S., 1903.
KREUDER, HERMAN ERNST.....	New York City
	Columbia University, A.B., 1904.
LEROWITZ, WILLIAM.....	New York City
LICHTENBERG, J. CHESTER ALAN ARTHUR.....	New York City
LITCHFIELD, ROBERT BACH.....	(Bklyn) New York City
MORRIS, ALFRED BUTT.....	New York City
NIEMANN, EDWARD.....	New York City
	College of the City of New York, B.S., 1903.
PALMER, AUSTIN PHELPS.....	(Bklyn) New York City
POPCKE, ARTHUR GEORGE.....	New York City
READ, JAMES PAULDING.....	Newark, N. J.
	Rutgers College, B.S., 1901.
RHAME, JOHN FOOTE.....	Wantagh, L. I.
SCHWARZKOPF, WILLIAM.....	New York City
SOLOW, DAVID EDWARD.....	(Br) New York City
STEVENS, OSCAR EGERTON.....	New York City
SUSSMAN, MAX HIRSCH.....	Mohegan, Conn.
TANZ, ISADORE.....	New York City
	College of the City of New York, B.S., 1903.

WATKINS, SAMUEL SHELTON.....	Owensboro, Ky.
WIECHERS, JOHN HENRY.....	City of Mexico, Mexico

MECHANICAL ENGINEERING

BARNABY, JAMES CHRISTY.....	New York City
BORSODY, LOUIS.....	New York City
DEL RIO, J. RAMÓN.....	Barcelona, Spain
DUNLOP, WILLIAM CARRINGTON.....	Richmond, Va.
GUERRLICH, FRED CHARLES.....	New York City
KAPLAN, HARRY.....	New York City
College of the City of New York, B.S., 1904.	

MERRITT, LUCIUS R.....	Sound Beach, Conn.
OLYPHANT, ROBERT MORRISON, Jr.....	New York City
PIGOTT, REGINALD JAMES SEYMOUR.....	White Plains, N. Y.
PUTNAM, WORCESTER.....	Brookline, Mass.
SPENCER, JAMES BEAUMONT.....	New York City
STROBRIDGE, GEORGE.....	New York City

CHEMISTRY

KRESS, OTTO.....	New York City
NOLTHENIUS, PAUL TUTSIN.....	Amsterdam, Holland
WIGGIN, JOHN DAVID.....	Orange, N. J.

METALLURGY

DUDEN, FREDERICK HENRY.....	(Br) New York City
Columbia University, A.B., 1902.	
HESS, EDWARD.....	New York City

FOURTH YEAR—CLASS 1906

Mining Engineering.....	29
Civil ".....	20
Electrical ".....	28
Mechanical ".....	12
Chemistry.....	3
Metallurgy.....	2
Total.....	94

THIRD YEAR—CLASS OF 1907

MINING ENGINEERING

BEATTIE, HAROLD MAIRS.....	New York City
BRAUN, ARTHUR PETER.....	Toledo, Ohio
BURDETTE, RICHARD STUART.....	Cliffside, N. J.
CHISHOLM, OLIVER PERRY, Jr.....	Bozeman, Mont.
DEHUFF, ARTHUR ISADORE.....	Spokane, Wash.
DIER, ALFRED AUSTIN.....	Bozeman, Mont.
DONNELLY, THOMAS FRANCIS.....	New York City
DOTY, OLIVER KEESE.....	New York City
DRUDING, FRANK DANIEL.....	New York City
DUSEL, WILLIAM JOHN.....	New York City
EDEBOHLS, ALPHONSE JULIUS.....	New York City
St. Johns College, A.B., 1902.	
ELSING, MORRIS JESUP.....	(Bklyn) New York City
FABIAN, FRANCIS GORDON.....	Evanston, Ill.
Cornell University, Mech. E., 1905.	
FLEISSNER, GUSTAV LUDWIG.....	New York City
GARDNER, WALTER.....	Stanstead Lodge, Forest Hill, London, England

- GRUNSKY, CARL EWALD.....Washington, D. C.
University of California, B.S., 1905.
- HARTOG, VICTOR.....Beaconsfield, Kimberley, South Africa
South Africa School of Mines, E.M., 1901; B.S., 1903.
- HOUSE, HENRY ARTHUR.....Duluth, Minn.
- HOWELL, JOSEPH MAUGHAN.....Logan, Utah
- HOYT, JOHN ROBERTSON.....New York City
- JOHNSON, ROBERT MCL.....Newark, N. J.
- JOSEPHS, IRVING SAMUEL.....New York City
Columbia University, A.B., 1905.
- KRUEGER, KARL PAUL.....Bozeman, Mont.
- KRUSE, FREDERICK, JR.....Central City, Colo.
- LANDERS, MARSDEN HENRY.....San Leandro, Cal.
- LEWISOHN, JULIUS ARTHUR.....New York City
Columbia University, A.B., 1905.
- LITTLE, JAMES MACFARLANE.....Towanda, Pa.
- LLOYD, KARL ERNEST.....Elyria, Ohio
Oberlin College, A.B., 1905.
- LUND, FRANCIS NAPIER.....New York City
- MARSH, ROBERT, JR.....Salt Lake City, Utah
- McCLAIN, HENRY GRIFFITHS.....New York City
- MOSES, ABRAHAM.....New York City
College of the City of New York, A.B., 1903.
- OVERMAN, BENTON.....New York City
- PALMER, WALTER S.....Reno, Nev.
Nevada State University, B.S., 1905.
- RICHARDS, GEORGE MILTON.....New York City
- ROBERTS, JOHN THOMAS, JR.....Wanakah, N. Y.
- RODEN, BENJAMIN F., JR.....Birmingham, Ala.
Howard College, C.E., 1902.
- SAYRE, MORTIMER FREEMAN.....Newark, N. J.
- SEIFERT, H. FREDERICK.....Jersey City, N. J.
- TENNEY, JAMES BLAND.....Tientsin, China
- TILLSON, BENJAMIN FRANKLIN.....New York City
Yale University, Ph.B., 1905.
- TULLOCH, THOMAS HILDRUP.....Forest Glen, Md.
- TWEEDY, ANDREW MELLICK.....Knickerbocker, Texas
- WEST, HENRY JAMES.....Garnerville, N. Y.
Columbia University, A.B., 1902.
- WILLARD, PAUL D.....Riverside, Cal.

CIVIL ENGINEERING

- ATWATER, HUNTINGTON CLARK.....Denver, Colo.
- BABCOCK, DUDLEY PAUL.....Fanwood, N. J.
- BERGMAN, HARRY MONTIFIORÉ.....New York City
- BOSWORTH, WILLIAM HAMLIN.....(Bklyn) New York City
- BROWN, OTTO.....New York City
- FRIEDLAND, JACOB M.....New York City
College of the City of New York, B.S., 1900.
- GARDINER, CHARLES ROCKWELL.....New York City
- HAUSMANN, FREDERICK WILLIAM.....New York City
Stevens Institute, Mech. E., 1905.
- LINDGREN, OSCAR HJALMAR.....Orebro, Sweden
- LISMAN, OLIVER CROMWELL.....Mt. Vernon, N. Y.
- LYNN, HENRY HUDSON EDWIN.....New York City

PERRY, ARTHUR CECIL FOX.....(Br) New York City
 RENNER, FRANK AXTELLE.....(Br) New York City
 ROTHSCHILD, WALTER LOUIS.....New York City
 Columbia University, A.B., 1905.

SIGMUND, BENJAMIN JOSEPH.....New York City
 TAYLOR, RICHARD MAXWELL.....New York City
 WOLKOWSKY, ALEXANDER.....St. Petersburg, Russia
 Polytechnical Institute of Warsaw (equiv. A.B.), 1905.

ELECTRICAL ENGINEERING

AGELTINGER, ARTHUR.....New York City
 ARNSFIELD, JAMES JULIUS.....New York City
 BARTELD, HENRY CHRISTOPHER.....(Bklyn) New York City
 BOLTON, ARTHUR THOMAS.....(Br) New York City
 BOND, STANLEY FRANK.....Middlebury, Vt.
 Middlebury College, A.B., 1904.

CAMPBELL, CLARENCE LEWIS.....New York City
 CARLBACH, WALTER MAXWELL.....New York City
 CAUCHOIS, REGINALD WADSWORTH.....New York City
 DOTY, ARCHIBALD.....Yonkers, N. Y.
 FRIEDMAN, WILLIAM HENRY.....New York City
 GREIFF, VICTOR RAPHAEL.....New York City
 HALPIN, ZACH POWER.....New York City
 HEIDGERD, GUSTAV HERMAN.....New York City
 College of the City of New York, A.B., 1903.

HEIDTMANN, ALBERT WILLIAM.....Mt. Vernon, N. Y.
 LEVIN, HERTZ.....New York City
 MILLER, JOHN.....New York City
 MOEGLING, BRUNO AUSTRALIAN.....(Q) New York City
 NEWTON, EARLE R.....Albany, N. Y.
 O'CONOR, DANIEL JOSEPH.....New York City
 St. Francis Xavier College, A.B., 1903.

SAQUI, EMANUEL.....New York City
 SEELIG, ALFRED EPHRAIM.....New York City
 SINDEBAND, MAURICE LEONARD.....New York City
 WILLIAMS, WILSON BISSELL.....Jersey City, N. J.
 WILLIS, JAMES.....(R) New York City
 WISE, WILLIAM WALLACE.....New York City

MECHANICAL ENGINEERING

ARNSTEIN, LEONARD ALBERT.....New York City
 BAILEY, RAYMOND DE WITT.....Summit, N. J.
 CARBONE, MARIO GEROLAMO.....New York City
 CURTIS, GERALD BECKWITH.....Brookfield Centre, Conn.
 HUNTINGTON, WILLIAM CHAPIN.....Elizabeth, N. J.
 JONES, RUSSELL COMPTON.....New York City
 MILLETT, KENNETH BALLARD.....New York City
 MONKS, WILLIAM DOUGLAS.....Mt. Vernon, N. Y.
 NEWELL, WILLIAM.....New York City
 Columbia University, A.B., 1905.

OTTEN, LEONARD FLAGGE.....New Rochelle, N. Y.
 Columbia University, A.B., 1905.

PEACOCK, WILLIAM THOMAS.....(Bklyn) New York City
 RUHE, ARTHUR.....New York City
 SIGERSON, EDMUND BURKE VICTOR.....New York City
 SMITH, HERMAN RAYMOND.....(Bklyn) New York City

SUTRO, HERBERT ADOLF.....New York City
 THURSTON, EDWARD DAY, Jr.....New York City
 Columbia University, A.B., 1905.

ULMANN, AUGUST, Jr.....Yonkers, N. Y.
 WALDRON, J. LAURENCE.....(Bklyn) New York City
 Columbia University, A.B., 1905.

CHEMISTRY

BOECK, PERCY ALBERT.....St. Louis, Mo.
 FISCHER, SIEGFRIED.....New York City
 HILL, HAROLD WILLIAM.....Buffalo, N. Y.
 NIEDER, PHILIP GEORGE.....Fanwood, N. J.
 SCHAEFER, LUDWIG.....Paterson, N. J.
 SINCLAIR, J. EDWIN.....Newark, N. J.
 WILLIAMS, RICHARD GRANT.....Mt. Vernon, N. Y.

METALLURGY

LAGE, FREDERICO.....Rio-de-Janeiro, Brazil

THIRD YEAR—CLASS OF 1907

Mining Engineering.....	45
Civil ".....	17
Electrical ".....	25
Mechanical ".....	18
Chemistry.....	7
Metallurgy.....	1
Total.....	113

SECOND YEAR—CLASS OF 1908

MINING ENGINEERING

ANNAN, ROBERT.....London, England
 ARCHBALD, HUGH.....Scranton, Pa.
 Yale University, A.B., 1903.

BALDWIN, HERBERT VAN VLIERDEN.....Nyack, N. Y.
 Princeton University, B.S., 1905.

BAMBER, WILLIAM ROGER.....(Bklyn) New York City
 BRILL, PAUL KORTRIGHT.....(Bklyn) New York City
 BRUNS, CHRISTOPHER LESLIE, Jr.....New York City
 CHRYSTIE, JAMES NICHOLSON.....New York City
 CLARK, FREDERICK HUNTINGTON.....New York City
 COHN, CHARLES JOSEPH.....New York City
 College of the City of New York, B.S., 1903.

COOPER, JOHN RAYMOND.....New York City
 DANEHY, GEORGE WELSH.....(Br) New York City
 DANIEL, GEORGE WILLIAM.....New York City
 DAVIS, HENRY FARMER.....Butte, Mont.
 DE LA BOUGLISE, ROBERT.....Paris, France
 DUNCAN, DAVID.....(Bklyn) New York City
 ESPINOSA, CARLOS.....Lima, Peru
 ESTEE, RUSH GILLAN.....Montpelier, Vt.
 FLANDERS, JOHN AIKEN.....New York City
 FULD, HORACE ALPHONSE.....New York City
 GOULD, KINGDON.....Lakewood, N. J.
 GRAHAM, HORACE R.....New York City
 HELMRICH, GEORGE LESTON.....New Rochelle, N. Y.
 HOCHSCHILD, SALI.....Frankfort, Germany
 Realgymnasium, Worms, Germany (equiv. A.B.), 1903.

- HOLMQUIST, GUSTAVE S.....New York City
 HOSTER, MANFRED THEODORE.....Rutherford, N. J.
 HUBBELL, ALLAN HILDRETH.....(Bklyn) New York City
 College of the City of New York, A.B., 1904.
 HUME, HARRY G.....Basin, Mont.
 HUNTZICKER, FRANCIS JACOB.....Neillsville, Wis.
 HURLEY, MARCUS LATIMER.....New York City
 JESSUP, DOUGLAS WEBSTER.....Salt Lake City, Utah
 JONES, LEWIS.....Cleveland, Ohio
 KATZ, HOWARD M.....Kissimmee, Fla.
 KING, HAROLD F.....New York City
 KITSON, HOWARD WALDO.....New York City
 KOZMINSKY, LESLIE MONTEPIORE.....Melbourne, Australia
 LAUX, THOMAS AHEARN.....(Bklyn) New York City
 LEANING, EUGENE HOOKER.....Gloversville, N. Y.
 Williams College, A.B., 1905.
 LEWIN, JOHN C.....Port Chester, N. Y.
 LEWYN, OSWALD MARK.....New York City
 MALLALIEU, WILLARD C.....(Bklyn) New York City
 MAY, ERNEST RUDOLPH, Jr.....Lead, So. Dakota
 MCCARTNEY, ELMER BARBER.....Oakes, No. Dakota
 MCCRISTAL, MARCUS ARTHUR.....Salt Lake City, Utah
 McCLAVE, DONALD.....New York City
 MCKAIG, JOHN STUART.....Pittsburg, Pa.
 Princeton University, B.S., 1903.
 MENTZEL, CHARLES.....New York City
 College of the City of New York, B.S., 1900.
 MILLER, WILLIAM TRAVIS.....New York City
 NOTMAN, ARTHUR.....(Bklyn) New York City
 Harvard University, B.S., 1903.
 OVERBEEK, JOHN BAGOT.....Cape Town, South Africa
 South African College, A.B., 1902.
 POINDEXTER, URBAN HATFIELD.....Topeka, Kan.
 Princeton University, A.B., 1905.
 ROBERTS, PERCY LLEWELLYN.....(Q) New York City
 Middlebury College, A.B., 1905.
 RUPP, FREDERICK LOUIS.....New York City
 SAGE, WARREN MORRILL.....New York City
 SCOTT, THOMAS KLINE.....New York City
 SHEARMAN, WILLIAM HUGH.....New York City
 STEPHENS, RODERICK.....(Br) New York City
 STOCKLY, HAROLD AUGUSTUS.....Hancock, Mich
 University of Michigan, A.B., 1905.
 SYVERSON, THEODORE SIGWALD.....Cooperstown, No. Dakota
 TAFT, THOMAS K.....Cornwall-on-Hudson, N. Y.
 UNTERMYER, IRWIN.....New York City
 VAN SICLEN, MATTHEW.....Cornwall-on-Hudson, N. Y.
 Amherst University, A.B., 1902.
 WILCOX, SIDNEY H.....New York City
 YOUNG, ELMER VINCENT.....(Bklyn) New York City

CIVIL ENGINEERING

- ARMSTRONG, ADDISON COOKE.....New York City
 BABCOCK, HENRY GRINNELL.....Fanwood, N. J.
 BODE, GROVER HARTMANN.....New York City
 BOYKIN, ROBERT HILL, Jr.....New York City

CLARKSON, JULIAN GIRARD.....	(Br) New York City
DICKSON, CHARLES F.....	Cincinnati, Ohio
FORBES, FRANCIS BONNER.....	New York City
Columbia University, A.B., 1904.	
FRAHER, THOMAS AUGUSTINE.....	New York City
GERMANSKY, RAPHAEL.....	New York City
GORREN, DANIEL.....	Rye, N. Y.
HALL, CHARLES LINCOLN.....	New York City
KILIAN, THEODORE PHILIP.....	New York City
KRAUS, ARTHUR.....	New York City
KRÖGER, HENRY ANDREW.....	New York City
KURR, FRED LOUIS.....	New York City
LAMKE, DANIEL HENRY.....	(Bklyn) New York City
LINDO, ALBERT.....	New York City
LYONS, ARTHUR CURTIS.....	New York City
MARSHALL, WILLIAM ROBERT.....	(Br) New York City
MENOCAL, JOSE G.....	Havana, Cuba
MEYER, HANS FRANK.....	New York City
Cooper Union, B.S., 1903.	
MISHKIN, VICTOR.....	New York City
MOTT, KENNETH.....	Peekskill, N. Y.
NATHAN, SAMUEL.....	(Br) New York City
O'DWYER, VICTOR.....	New York City
PESHKIN, HARRY CHARLES.....	New York City
ROBERT, CHARLES SIMPSON.....	Plainfield, N. J.
ROTHBERG, JACOB B.....	(Bklyn) New York City
SCHLACHTER, CARL EMIL.....	New York City
SCHWANEFLUGEL, CHARLES ALBERT.....	(Q) New York City
SMITH, MARCO CARMELICH.....	New York City
SNOOK, CURTIS PENDLETON.....	(Bklyn) New York City
STUHRMAN, EDWARD AHLERT.....	New York City
TONNELÉ, JOHN LUNEAU, Jr.....	New York City
Columbia University, A.B., 1905.	
TORBORG, GERHARD RUDOLPH.....	New York City
WILLIAMSON, DOUGLAS BLEECKER.....	New York City
YOUNG, JOHN JOSEPH.....	(Q) New York City
ZABRISKIE, GEORGE E.....	Newark, N. J.

ELECTRICAL ENGINEERING

ADAMS, HANFORD CURTIS.....	Bedford Station, N. Y.
Wesleyan University, A.B., 1905.	
ALEXANDER, WILLIAM AUSTIN.....	(Bklyn) New York City
BAKER, RAYMOND WILLARD.....	New York City
BERGMANN, RUDOLPH CHARLES.....	New York City
BOWES, WILLIAM RAUCHFUSS.....	(Bklyn) New York City
CRECELIUS, FREDERICK WILLIAM.....	(Q) New York City
EBLING, ROBERT WILLIAM.....	New York City
FARRER, HENRY EDWIN.....	(Bklyn) New York City
GOLDBERG, SAMUEL.....	(Bklyn) New York City
College of the City of New York, A.B., 1902.	
HARD, STRAITON.....	Arverne, L. I.
HEHRE, FREDERICK WILLIAM.....	New York City
HOLSLAG, CLAUDE JOSEPH.....	Peekskill, N. Y.
JENKINS, JOHN CAMERON.....	New York City
JOHNSTON, WALTER BAYNE.....	New York City
JONES, EDWARD CROSBY.....	New York City
LUSCOMB, HARRIS TRAILL.....	(Bklyn) New York City

LYON, WILLIAM WARREN, Jr.....New York City
 MACCUTCHEON, ALECK.....Goldens Bridge, N. Y.
 MACCUTCHEON, PAUL J.....Goldens Bridge, N. Y.
 New York State Normal College, Pd.B., 1902.

MCCARTHY, CHARLES D.....(Bklyn) New York City
 MERKLINGER, THEODORE EMIL.....Newark, N. J.
 MORA, ERNEST JOSEPH.....Easton, Pa.
 NADOLSKY, WILLIAM LEON.....New York City
 O'NEIL, LEO DREW.....Boston, Mass.
 Boston College, A.B., 1902

PAGANINI, PIERO S.....Jersey City, N. J.
 PEARSE, CHARLES ALLEN.....New York City
 PRIDE, GEORGE HUDDLESTUN.....New York City
 REIZENSTEIN, CHESTER LEONARD.....New York City
 ROBINSON, KARL DAVIS.....Roseland, N. J.
 ROCKWOOD, JOHN PARET.....Montclair, N. J.
 SERHEY, BENJAMIN.....Pocantico Hills, N. Y.
 SIMPSON, WILLIAM J. P.....New York City
 SINGER, WILLIAM BERNARD.....New York City
 SMALL, GEORGE SUMNER, 3d.....(Bklyn) New York City
 SPITZER, BENJAMIN.....New York City
 STAUB, ABRAHAM.....(Bklyn) New York City
 SUNDHEIMER, ARTHUR I.....New York City
 WATSON, EVERETT VAIL.....New York City
 WERNER, GUSTAV.....New York City
 WHITE, MAJOR LEE.....New York City
 WHITE, RALPH LEE.....New York City
 WILLIAMSON, GEORGE.....Dobbs Ferry, N. Y.
 WILSON, JAMES ELIJAH.....Middletown, Conn.
 Wesleyan University, Ph.B., 1904.

WOTICKY, CHARLES.....New York City

MECHANICAL ENGINEERING

ANDREI, CAMILLO.....Perugia, Italy
 BROPHY, PAUL FITZ-GERALD.....(R) New York City
 BYRNE, FREDERICK JOHN.....New York City
 CARPENTER, HAROLD NATHANIEL.....North Hoosick, N. Y.
 CARTER, DOUGLAS S.....New York City
 COOK, WILLIAM PIERSON, Jr.....(Bklyn) New York City
 CRAWLEY, GEORGE EDWIN.....New York City
 DAVIS, IRVING J.....Chautauqua, N. Y.
 FELTER, RUTHERFORD S.....Haverstraw, N. Y.
 FLUHRER, LEWIS PULLMAN.....New York City
 FRIED, JEROME ARTHUR.....New York City
 GEORGE, GILBERT G.....(Q) New York City
 HOYNS, GEORGE WAYLAND.....(Br) New York City
 HUTTON, MANCIUS SMEDES.....New York City
 KIRK, WILLIAM PARKER.....New York City
 MEAD, RAYMOND H.....Newark, N. J.
 MERRITT, JOHN ISRAEL.....New York City
 NEGUS, JOHN CLEMENT.....(Bklyn) New York City
 OSBORN, RAYMOND STORMS.....Yonkers, N. Y.
 PECK, JOHN ARZA, Jr.....Pelham Manor, N. Y.
 PRALL, JOHN GOLDSMITH.....(Q) New York City
 PURDY, ARTHUR LANE.....Port Chester, N. Y.
 RIDDER, JOSEPH EDWARD.....New York City
 SCHOONMAKER, RALPH BAILEY.....Plainfield, N. J.
 STARBUCK, WILLIAM LENT.....New York City

STIX, LAWRENCE CULLMAN.....	New York City
SWARTWOUT, EVERETT WILES.....	Scarsdale, N. Y.
WARD, EVERETT, JR.....	New York City
WESTBROOK, FRANCIS ABEKEN.....	(Bklyn) New York City
WILCOX, PHILIP WAKEMAN.....	New York City
WOOD, THOMAS CARLYLE.....	Topeka, Kan.

CHEMISTRY

ALEXANDER, ELLIOT RITCHIE.....	(Bklyn) New York City
AMEND, CARL GUSTAVE.....	New York City
BOYNTON, WILLIAM HENRY.....	Nyack, N. Y.
FIEDLER, ALBERT.....	(Bklyn) New York City
FORST, LEO BERTHOLD.....	Louisville, Ky.
FRENCH, ROBERT MANSFIELD.....	New Rochelle, N. Y.
HALLOCK, FREDERICK BARTON.....	New York City
HAMMERSCHLAG, HENRY ADOLPH.....	Newark, N. J.
HERZFELD, MELVIN GUSTAV.....	New York City
HOLLIDAY, EDGAR P.....	(Bklyn) New York City
HUDSON, HANS KIERSTEDT.....	New York City
JEAL, EDUARD RAYNOR.....	Lawrence, L. I.
KENDALL, EDWARD CALVIN.....	South Norwalk, Conn.
KROPFF, ALFRED HEMMER.....	New York City
KYTE, JOHN HERBERT.....	Fanwood, N. J.
MESTRE, HAROLD.....	New York City
SKILLMAN, VERNE.....	East Orange, N. J.
TUCKER, RALPH BERNARD.....	Rahway, N. J.
WARTH, ALBIN H.....	(R) New York City
WHIPPLE, DORRIS WILLIAM.....	New York City
College of Pharmacy, New York City, Ph.G., 1901.	
WINSLOW, WILLIAM SPRAGUE.....	(Br) New York City

METALLURGY

SHIPP, ELLSWORTH MALTBY.....	Newburgh, N. Y.
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SECOND YEAR—CLASS OF 1908

Mining Engineering.....	63
Civil ".....	38
Electrical ".....	44
Mechanical ".....	31
Chemistry.....	21
Metallurgy.....	1
Total.....	198

FIRST YEAR—CLASS OF 1909

MINING ENGINEERING

ALLIS, CLARENCE LIVINGSTON.....	Wooster, Ohio
ANDERSON, LAWRENCE WRIGHT.....	Salt Lake City, Utah
APEZTEGUIA, JULIO JOSI.....	New York City
ASHTON, MILLARD HANCOCK.....	Rutherford, N. J.
BREWSTER, ROUSE KENDALL.....	New York City
BROWN, CLINTON BLEECKER.....	New York City
DE HIERAPOLIS, GEORGE SAHB, JR.....	New York City
DUNBAR, JOHN MAYES.....	Dobbs Ferry, N. Y.
FURUKAWA, TORANOSUKE.....	New York City
GAEBELEIN, PAUL WHITEFIELD.....	Mt. Vernon, N. Y.
GOLDSTONE, LAWRENCE PRESTON, JR.....	London, England
HALL, HARRY ELIAS.....	Virginia City, Mont.

HANKE, ADOLPH GUSTAV.....	Cincinnati, Ohio
HEIGHE, FREDERICK CALVERT, Jr.....	New York City
HIRSH, RALPH TUSKA.....	New York City
LOCKE, PRESTON ERIE.....	New York City
MILLARD, BARTON.....	Omaha, Neb.
MILLER, DONALD GAZLAY.....	New York City
MOONEY, HERMAN CLARK.....	New York City
MUCKLOW, WILFORD BARBER.....	Hartford, Conn.
NAVARRO, JOHN RALPH.....	New York City
ORNSTEIN, ABRAHAM.....	Johannesburg, South Africa
ROSSBERG, FRED HERMANN.....	Salt Lake City, Utah
SMEAD, HAROLD BURT.....	Lead, So. Dakota
SPRAGUE, FRANKLIN KENNEDY.....	New York City
SULLIGER, ROY ARTHUR.....	Santa Monica, Cal.
THOMPSON, MALCOLM MACFARLAN.....	New York City
TILLOTSON, GUSTAV KLETZSCH.....	Greenville, Pa.
TONKING, WILLIAM WALDRICK.....	Dover, N. J.
VON SALTZA, PHILIP.....	New York City

CIVIL ENGINEERING

CLEVELAND, HORACE HAYWOOD.....	(Q) New York City
DREYFUSS, ROBERT.....	New York City
DUNWOODIE, CHARLES EDWARD.....	Kingston, N. Y.
FERGUSON, WILBUR EARLE.....	New York City
FOSSAS, EDWARD JOSEPH.....	San Juan, Puerto Rico
GOLDFARB, HENRY.....	(Br) New York City
GUIERAS, HAROLD GENER.....	New York City
HOAG, JOHN ALBERT.....	(Bklyn) New York City
HOWE, CHARLES HENRY.....	New York City
JACQUES, WILLIAM SINGER.....	New York City
MENKE, WILLIAM.....	New York City
NORSWORTHY, LEONARD D.....	New York City
O'MAHONEY, VINCENT D. P.....	New York City
ROBINSON, THOMAS ARGO.....	St. Louis, Mo.
ROTHSCHILD, MONTEFIORE.....	(Br) New York City
SANDLER, WILLIAM.....	New York City
SLADE, HAROLD EDMUND.....	New York City
SPALDING, LESTER HOLT.....	New Rochelle, N. Y.
VON SCHRENK, TRIFON.....	New York City
VULTÉ, GILBERT PALMER.....	New Rochelle, N. Y.
WELCH, ELLIS WILLIAM.....	Rutherford, N. J.
WILLIAMS, THOMAS WILLIAM.....	New Bedford, Mass.
WILSON, WILLIAM.....	New York City

ELECTRICAL ENGINEERING

BLACKWOOD, WILLIAM CUTLER.....	New York City
BLISS, ERNEST F.....	New York City
BROWNE, KENNETH CAULFIELD.....	(Br) New York City
CERUSSI, BIAGGIO PETER.....	New York City
COHN, HUGO.....	New York City
DEMAREST, SAMUEL PETER.....	New York City
DEUTSCH, HARRY ARMIN.....	New York City
FOELLER, HAROLD CHARLES ERSIG.....	New York City
FONTS, HUMBERTO.....	New York City
FOOTE, HASTINGS.....	New York City
FRENCH, FREDERICK FILLMORE.....	(Br) New York City
HEYMAN, HARRY A.....	New York City
HINCK, CLAUS FREDERICK.....	Montclair, N. J.

HINKEL, EDWARD JOSEPH.....	New York City
HOPPING, HOWARD HITCHCOCK.....	New York City
HUTCHINSON, GEORGE ELLIS.....	New York City
JORDAN, CARL PHILIP.....	Great Falls, Mont.
KENNEDY, FREEMAN WINNER.....	Bayonne, N. J.
KNIGHT, HERBERT HARRIS.....	Fanwood, N. J.
LOOMIE, LEO STEPHEN.....	New York City
MAPES, MILTON CRAWFORD.....	New York City
MARX, ABRAHAM BASS.....	New York City
MILTENBERGER, ALEXANDER.....	St. Louis, Mo.
MOONAN, WILLIAM THOMAS.....	New York City
MÜLLER, FREDERICK.....	New York City
MURPHY, HENRY CRUSE, JR.....	(Bklyn) New York City
OSBORN, STANLEY ROYAL.....	(R) New York City
PITZELE, CHARLES.....	(Br) New York City
POMARES, MARINO LEO.....	New York City
SEIDENBERG, ARMINIUS.....	New York City
SHAKIN, VICTOR.....	(Br) New York City
SIMON, EMIL JEROME.....	(Q) New York City
STRUTHERS, HERBERT HARLOW.....	New York City
SUAREZ, EDWARD RAMON.....	Havana, Cuba
SWAN, WILLIAM LINCOLN, JR.....	Oyster Bay, L. I.
TUPPER, ARTHUR GILBERT.....	East Orange, N. J.
WAHLIG, RUDOLPH CHARLES.....	(Br) New York City
ZIMMER, FRANK E.....	West Hoboken, N. J.

MECHANICAL ENGINEERING

ALLEN, HARRY, JR.....	Yonkers, N. Y.
BARBOUR, ROBERT.....	New York City
BONNER, RICHARD OLIVER.....	Rockville Centre, L. I.
BORCHARDT, ALBERT HUGO.....	(Bklyn) New York City
BRIDGEMAN, LINDEN WENTZEL.....	(Q) New York City
BROWN, EDWARD STANTON.....	Rutherford, N. J.
CARTER, PULASKI.....	Scranton, Pa.
FISHEL, LESLIE HENRY.....	New York City
FOGEL, WILLIAM PERCY.....	Rutherford, N. J.
FOSTER, WESLEY WILLIAM.....	Newark, N. J.
GILLIS, GEORGE ROSS.....	New York City
HAIGH, CLIFFORD SHEPARD.....	(Bklyn) New York City
HENES, HARRY WILLIAM.....	New York City
HOLBERT, HARRY H.....	New York City
HOLBROOK, ARTHUR MACY.....	New York City
HOYT, HAZEN LUERTUS, JR.....	New York City
IVES, FRANCIS LASAK.....	New York City
KICK, THEOPHILE F.....	New York City
KNAPP, HAROLD OWEN.....	New York City
LEFFERTS, MARSHALL CLIFFORD, JR.....	New York City
MAHONY, FORDHAM CHAMPLIN.....	New York City
MATZ, LOUIS.....	New York City
MILTENBERGER, WILLIAM.....	St. Louis, Mo.
POST, HENRY BURNETT.....	New York City
REMINGTON, HENRY WATERMAN, JR.....	New York City
ROVERE, LOUIS.....	New York City
SCHOONMAKER, HERBERT SAGE.....	New York City
SCHWARZ, JUSTIN ORMISTON.....	New York City
STREETER, DANIEL DENISON, JR.....	(Bklyn) New York City
ULMANN, EDGAR AUGUST.....	New York City
VELASQUEZ, EMILIO.....	Larchmont, N. Y.
WIEHLE, ALVIN LOUIS VIRGIL.....	Wiehle, Va.

CHEMICAL ENGINEERING

AMEZAGA, RICHARD SEGUNDO.....	New York City
BARNITT, JESSE BRIGHT.....	Phillipsburg, N. J.
EZEKIEL, BERTRAM.....	Greenville, Ala.
GRIEVE, JAMES.....	Perth Amboy, N. J.
HENMANN, EMIL MICHAEL.....	New York City
KUDLICH, HERMAN FREDERICK, Jr.....	New York City
LISSAUER, ADOLPH WIENER.....	New York City
McCULLOCH, PAUL LEAVENWORTH.....	Orange, N. J.

CHEMISTRY

BOISSE, PIERRE SETH.....	New York City
CREW, CHARLES.....	Paterson, N. J.
GASCOYNE, WILLIAM JOHN, Jr.....	Baltimore, Md.
HOCHSTADTER, IRVING.....	New York City
SCHWARZ, ROBERT.....	New York City
STAGG, HOWARD JOSIAH, Jr.....	New York City

METALLURGY

MAPES, CLARENCE DANIEL.....	New York City
SNYDER, HARVEY HENRY.....	Massillon, Ohio

FIRST YEAR—CLASS OF 1909

Mining Engineering.....	30
Civil ".....	23
Electrical ".....	38
Mechanical ".....	32
Chemical ".....	8
Chemistry.....	6
Metallurgy.....	2
Total.....	139

SPECIAL STUDENTS

(a) *Unclassified Candidates for a Degree*

BAUM, HARRY.....	New York City
ENOS, HERBERT CORY.....	Denver, Colo.
HULTS, EUGENE ARTHUR, Jr.....	Perth Amboy, N. J.
JOLY, CHARLES LÉVÊQUE.....	Asbury Park, N. J.
KUSER, PETER D.....	New York City
LITCHFIELD, BAYARD SANDS.....	(Bklyn) New York City
Harvard University, B S., 1903.	
LOEWY, ABRAHAM ALEXANDER.....	New York City
MACDONALD, WILLIAM TOWNLEY.....	Denver, Colo.
OXNAM, THOMAS HENRY, Jr.....	Los Angeles, Cal.
RESTREPO, LUCIANO.....	Colombia, S. A.
RIDDLE, GEORGE WILLIAM.....	Saranac Lake, N. Y.
RYAN, JOHN JOSEPH.....	New York City
Unclassified Candidates for a Degree.....	
	12

(b) *Irregular Students*

BATES, MOWRY.....	New York City
CLARK, ARTHUR T.....	Syracuse, N. Y.
IYENGAR, SRIRANGAM DESIKOCHAR SHESHADRY.....	Bangalore City, India
Madras University, A.B., 1897.	
KNOWLES, HARRY HOLMES.....	Avery, Iowa
Iowa State College, B.S., 1904.	

284 *SCHOOLS OF MINES, CHEMISTRY, ENGINEERING*

KOKEN, WILLIAM THEODORE.....	St. Louis, Mo.
MARIACHEFF, DEMETRIUS.....	Russia
RABORG, PAUL CHRISTOPHER.....	New York City
SRUMWAY, RALPH WYATT.....	University Park, Colo.
STOW, HENRY MATTHEW PHILIPSON.....	Fernhurst, Sussex, England
School of Mines, Freiberg, Saxony, Germany (Equiv. E.M.), 1904.	
WHITWELL, CUTLER BONESTELL.....	Tucson, Arizona
Irregular Students.....	10

SUMMARY

UNDERGRADUATE STUDENTS

	First Year	Second Year	Third Year	Fourth Year	Totals
SCHOOL OF MINES:					
Mining Engineering.....	30	63	45	29	167
Metallurgy.....	2	1	1	2	6
SCHOOL OF CHEMISTRY:					
Chemistry.....	6	21	7	3	37
Chemical Engineering.....	8	—	—	—	8
SCHOOL OF ENGINEERING:					
Civil Engineering.....	23	38	17	20	98
Electrical Engineering.....	38	44	25	28	135
Mechanical Engineering.....	32	31	18	12	93
	139	198	113	94	544

Unclassified Candidates for a Degree.....	12
Irregular Students.....	10
	22
STUDENTS PRIMARILY REGISTERED UNDER THIS FACULTY.....	566
STUDENTS FROM OTHER FACULTIES OF THE UNIVERSITY:	
From the College.....	5
Total.....	571

SCHOOL OF ARCHITECTURE

Officers

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., Litt.D. (Oxon.)	<i>President of the University</i>
ALFRED D. F. HAMLIN, A.M.	<i>Professor of the History of Architecture</i>
FRANK DEMPSTER SHERMAN, Ph.B.	<i>Professor of Graphics</i>
MAXIMILIAN K. KRESS, A.M.	<i>Adjunct Professor of Architecture</i>
CHARLES FOLLEN McKIM, Litt.D.	<i>Director of Atelier</i>
THOMAS HASTINGS.	<i>Director of Atelier</i>
CHARLES A. HARRIMAN.	<i>Instructor in Architectural Drawing</i>
GRENVILLE T. SNELLING, S.B.	<i>Instructor in Architectural Engineering</i>
ALFRED H. GUMAER, B.S.	<i>Instructor in Architectural Design</i>
CHARLES P. WARREN, A.M.	<i>Tutor in Architectural Construction</i>
WILLIAM A. DELANO, A.B.	<i>Tutor in Architectural Design</i>
JOHN V. VAN PELT, Diplômé of the École des Beaux-Arts.	<i>Associate Director of Atelier</i>
JOHN RUSSELL POPE, Ph.B.	<i>Associate Director of Atelier</i>
EDWARD R. SMITH, A.B.	<i>Curator of the Avery Architectural Library</i>
<hr/>	
WILLIAM R. WARE, LL.D.	<i>Emeritus Professor of Architecture</i>

GENERAL STATEMENT

The School of Architecture, formerly under the Faculty of Applied Science, has now been set apart as an independent school, under the direct administrative control of the President of the University, who represents it in the University Council. The By-Laws of the Faculty of Applied Science, and the regulations for matriculation, enrolment, and registration of that Faculty, will, however, still remain in force, as set forth in the statement of that Faculty (pp. 256-257).

The School of Architecture offers two complete courses of instruction, one leading to the degree of Bachelor of Science, the other to a professional Certificate in Architecture. Both courses are of indeterminate length. Students of exceptional ability may complete the course for the degree in less than four years; while others may find it advisable to devote a longer period to it. The course for the Certificate will require from three to four years for its completion. For the sake of convenience, the curriculums for the degree and for the

Certificate are presented in tabular view on page 289 as laid out for a four years' course. The instruction given comprises the history of architecture and decorative design; the graphics of design, including the freehand and architectural drawing and the descriptive geometry required by the trained practitioner; exercises in original architectural and decorative design, the mathematics and engineering of architecture, and architectural practice, including the study of building materials, practical construction, specifications, and office practice. These courses are supplemented by exercises in reading French and German text-books of architectural history, and by written exercises in historical research and in the analysis and criticism of buildings. Students who have completed the courses assigned to the first three years in the tabular view on page 289 may elect a specialized course in Advanced Architectural Engineering and Practice in place of the course in Advanced Design. This is arranged by conference with the Professor of Architecture and the Professor of Civil Engineering of the Faculty of Applied Science. Opportunities for advanced study both in design and in construction are afforded to graduates and qualified special students, in the School itself and abroad, by the Columbia, McKim, and Perkins Fellowships, which are open only to graduates in the course for the degree.

Admission

Candidates for admission to the course for the Bachelor's degree will be required to show by examination or by certificate that they have successfully completed the equivalent of two years of study in the College, the Schools of Applied Science, or some other recognized college or scientific school. They will in addition be required to give evidence of a practical knowledge of the orders of architecture, elementary shades and shadows, architectural rendering and drawing from the cast.

Every candidate for admission—besides giving evidence of proficiency in the orders, elementary shades and shadows, architectural rendering, and drawing from the cast—must offer at the entrance examinations (see below) subjects amounting to ten "points." The points here represent the number of years, at the rate of five periods a week, which will normally be required in the secondary school to prepare adequately for the college examination.

The candidate *must* offer:

	COUNTING IN POINTS
Elementary Mathematics	3
Drawing	1
and not less than 6 points from the subjects following:	
English	3
Elementary French	2

Elementary German.....	2
Elementary History.....	2
Elementary Latin (see note, page 177).....	2
Elementary Physics.....	1
Chemistry.....	1
Spanish.....	2
Advanced Mathematics.....	1

For full definition of the above requirements and for information regarding the times and places at which entrance examinations are held, regulations regarding division of examinations, examinations outside of New York, application blank, and examination fee, see pages 163-184.

Non-Matriculated Students

Applicants of mature age who are qualified to do so may as non-matriculated students pursue any of the studies taught in the School. Graduates of schools of science, and draughtsmen in offices who have had two or three years' practical experience, are generally qualified to enter the courses in history and design. They must give evidence of proficiency in architectural drawing, shades and shadows, and the orders of architecture, and if deficient, will have to attend the instruction given in these subjects before joining the classes in design. Only those who are proficient in the prerequisite mathematical and engineering studies will be competent to enter the courses in scientific construction. All such students may become candidates for a degree by passing the required examinations. Distinguished excellence in the regular work of the School, when certified by a vote of the Faculty, will be accepted in lieu of specific satisfaction of deficiencies in the entrance requirements of the course for the degree.

Male students of painting, sculpture, architecture, and decorative design, from any incorporated school of art in New York City, may be admitted as non-matriculated students to the courses in Elements of Architecture, Projections and Shades and Shadows, Perspective, History of Architecture, and History of Ornament (Courses 1, 5, 6, 21-22, 23-24, 25-26, 31-32, 33-34, 35-36) (see list on pages 41-45), upon paying the fees for such courses. They may take the courses in drawing and design upon paying the fees charged for the particular work for which they register.

The attention of students is called to the new Program of Studies in Columbia College on page 197, which permits the student to fulfil the requirements for the Bachelor's degree in Arts or Science and for a professional degree, in six years.

Candidates for the degrees of Master of Arts and Doctor of Philosophy may select approved courses in this School either as major or as minor subjects.

Equipment

The equipment of the School consists of about 18,000 photographs and 800 books, the gift of Mr. F. A. Schermerhorn; a classified library of prints and plates; a collection of manuscript drawings from the *École des Beaux-Arts*; about 9000 lantern slides of architectural subjects; a collection of casts of architectural details, including a large number from ancient and modern Roman buildings, the gift of Mr. Charles F. McKim; and an architectural museum containing a collection of models, building stones, tools, and materials. These resources are supplemented by the Avery Architectural Library of 18,000 volumes, which is open to the public daily from 9 A.M. until 11 P.M., except during the hour from 6 to 7 P.M. The Willard collection of architectural casts at the Metropolitan Museum is open to students every day and two evenings in the week.

COURSE IN ARCHITECTURE FOR DEGREE OF B.S.

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
Architecture 1	Architecture 7-8	Architecture 11-12	Architecture 55
Architecture 2	Architecture 23-24	Architecture 13-14	Architecture 113-114
Architecture 3	Architecture 24a	Architecture 17-18	Architecture 117-118
Architecture 5	Architecture 33-34	Architecture 25-26	Architecture 128a
Architecture 6	Architecture 43-44	Architecture 26a	Architecture 164
Architecture 21-22	Architecture 51	Architecture 35-36	or
Architecture 31-32	Architecture 52	Architecture 53-54	Architecture 55
Architecture 41-42	Architecture 61-62	Architecture 63-64	Architecture 77-78
Architecture 71-72	Architecture 73-74	Architecture 75-76	Architecture 128a
Architecture 72a	Architecture 74a	Architecture 76a	Architecture 161-162
Mathematics 3a	Mathematics 6		Architecture 164
Mathematics 3b	Mechanics 2		
Mathematics 5			

COURSE IN ARCHITECTURE FOR THE CERTIFICATE

FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
Architecture 1	Architecture 7-8	Architecture 11-12	Architecture 55
Architecture 2	Architecture 9-10 ¹	Architecture 13-14	Architecture 77-78
Architecture 3	Architecture 23-24	Architecture 15-16	Architecture 128a
Architecture 5	Architecture 24a	Architecture 25-26	Architecture 161-162
Architecture 6	Architecture 33-34	Architecture 26a	Architecture 164
Architecture 21-22	Architecture 43-44	Architecture 35-36	
Architecture 31-32	Architecture 51	Architecture 53-54	
Architecture 41-42	Architecture 52	Architecture 63-64	
Architecture 71-72	Architecture 61-62	Architecture 75-76	
Architecture 72a	Architecture 73-74	Architecture 76a	
	Architecture 74a		

¹ Optional.

REGISTER OF STUDENTS

School of Architecture

1905-1906

BERG, ARMAND V.....	Savannah, Ga.
BERMINGHAM, EDWARD JOHN.....	New York City
BERNSTEIN, CHARLES DAVID.....	New York City
BISSELL, CYRUS YALE.....	Jersey City, N. J.
BOOTH, LOUIS LA BAUM.....	Poughkeepsie, N. Y.
BOTTOMLEY, WILLIAM LAWRENCE.....	New York City
BROWN, BEDFORD.....	Washington, D. C.
BROWN, FLOYD DE LATOUR.....	New York City
BULLARD, ROGER HARRINGTON.....	(Q) New York City
BUTLER, HARRY PERCIVAL.....	Croton Falls, N. Y.
CARLETON, F. DUDLEY.....	Yonkers, N. Y.
CHAPMAN, FREDERICK BURNHAM.....	Auburn N. Y.
Yale University, A.B., 1905.	
DIEMER, GEORGE HENRY.....	Union, N. J.
DIETERLEN, CHARLES THEODORE EMILE.....	(Br) New York City
DUDLEY, RALPH.....	Columbus, Ga.
Alabama Polytechnic Institute, B.S., 1905.	
EBERHARD, VICTOR EMANUEL.....	Norfolk, Va.
ERSKINE, HAROLD PERRY.....	New York City
Williams College, A.B., 1902.	
FELDMAN, LEO MAURICE.....	Cincinnati, Ohio
FRANCIS, WILLIAM CARSON.....	Buffalo, N. Y.
FRIEDLAND, ANATOL A.....	New York City
GREENBERG, ABRAHAM BENTON.....	New York City
College of the City of New York, A.B., 1904.	
GREENSTEIN, LOUIS.....	Buffalo, N. Y.
HALL, EDWARD CLINTON.....	Plainfield, N. J.
HAWLEY, GRAHAM.....	Tarrytown, N. Y.
HENTZ, HARRY FITZGERALD.....	Atlanta, Ga.
Emory College, Ph.B., 1904.	
HICKENLOOPER, GEORGE LOENING.....	St. Louis, Mo.
HOAG, LEON HUESTED.....	(Br) New York City
HUGHES, HARRY DRUM.....	Cleveland, Ohio
INGLE, FRANK ROBERTS.....	Evansville, Ind.
JOHNSON, FOLGER.....	Montclair, N. J.
JONES, THEODORE MAXWELL.....	New York City
KAHLE, HERMAN.....	(R) New York City
KAHN, ELY JACQUES.....	New York City
Columbia University, A.B., 1903.	
KEDIAN, WALTER MARTIN.....	New York City
KLABER, EUGENE HENRY.....	New York City
KLENKE, JOHN HENRY, JR.....	New York City

KNIGHT, JOHN JACOB.....	Avon, N. Y.
KOHLMAN, NATHAN.....	Brookhaven, Miss.
LUITHLEN, WILLIAM.....	(Bklyn) New York City
MAYER, MACDONALD.....	(Bklyn) New York City
MORALES, LEONARDO.....	Havana, Cuba
MOREWOOD, FRANK E.....	Englewood, N. J.
MORRIS, JOHN BABCOCK, Jr.....	Saugatuck, Conn.
MÜLLER, JOHN.....	(Bklyn) New York City
OBERLANDER, HENRY C.....	New York City
PALLISER, GEORGE ARTHUR.....	(Bklyn) New York City
PITT, GERARD.....	New Rochelle, N. Y.
POND, LESTER MUNROE.....	New York City
ROBINSON, BEVERLEY.....	(Br) New York City
SAPIER, ISADOR.....	Newark, N. J.
SCHMIDT, EDWARD GUNTHER.....	(Bklyn) New York City
SCHMIDT, JULIUS WALTER.....	(Br) New York City
SCHNEIDER, GUSTAV BILLING.....	New York City
SCHOEFER, LOUIS JOHN.....	(Br) New York City
SEE, EDMUND THORP.....	New York City
SEYMOUR, ALEXANDER DUNCAN, Jr.....	(Bklyn) New York City
STORK, EDWARD JOHN.....	Jersey City, N. J.
SWEETZ, LARREMORE VAN VELSOR.....	New York City
TEMPLE, HARRY KLINE.....	North Adams, Mass.
TROTT, JOHN CLINTON.....	(Bklyn) New York City
VAN VECHTEN, FREDERICK RUST.....	Little Falls, N. Y.
Yale University, Ph.B., 1903.	
VIGOUROUX, GUSTAVE GEORGE.....	New York City
VOLZ, HANS CARL.....	Port Chester, N. Y.
WADELTON, THOMAS D., Jr.....	Bronxville, N. Y.
WALLACE, JOSEPH TREANOR.....	Memphis, Tenn.
WRENN, HAROLD HOLMES.....	Norfolk, Va.
Total.....	66

NON-MATRICULATED STUDENTS

BALLANTYNE, HENRY FRANCIS.....	Scarsdale, N. Y.
University of Toronto, B.A.Sc., 1904.	
BARBOUR, CIL DICKERSON.....	Hanford, Cal.
BARRY, ELLSWORTH MALTBY.....	New York City
Columbia University, A.B., 1886.	
BILL, HARRIE SATTERLEE.....	Melrose, Mass.
CARR, KENNETH S.....	New York City
College of the City of New York, A.B., 1904.	
COCKEY, CHARLES ROGERS.....	New York City
COWIE, ROBERT.....	St. Paul, Minn.
CROCKER, ROBERT STEWART.....	New York City
Princeton University, A.B., 1904.	
DEAN, HENRY CHARLES.....	New York City
GORDON, NATHAN.....	New York City
GREEN, EDWARD LYLE.....	London, Canada
GUTH, ALEXANDER CARL.....	Milwaukee, Wis.
HOPKINS, ALBERT HART.....	Buffalo, N. Y.
KIRBY, CHARLES HUBBARD.....	Buffalo, N. Y.
KYSON, CHARLES HENERY.....	Los Angeles, Cal.
MAY, CHARLES CLARENCE.....	Lee, Mass.
Williams College, A.B., 1904.	
MEAD, CHARLES BARRY.....	Hartford, Conn.

NISBETH, CARLYLE.....Macon, Ga.
 NOSTRAND, EUGENE STANTON.....(Bklyn) New York City
 PORTER, ARTHUR KINGSLEY.....New York City
 Yale University, A.B., 1904.

PRAGER, RAPHAEL.....New York City
 College of the City of New York, B.S., 1904.

REID, JOSEPH NEAL.....Macon, Ga.
 RICHARDS, EDWIN STANLEY, JR.....Newark, N. J.
 RINDERMAN, HARRY.....New York City
 SACHS, LESTER NEWTON.....San Francisco, Cal.
 SEABURY, HARRY MUMFORD.....Springfield, Mass.
 SIBLEY, ERNEST.....Grantwood, N. J.
 STUR, ALBERT ABRAHAM.....Yonkers, N. Y.
 VAN SUETENDAEL, ACHILLE OCTAVE.....Yonkers, N. Y.
 ZINK, ANTHONY.....(Br) New York City

Non-matriculated..... 30

CANDIDATES FOR THE HIGHER DEGREES

LAMB, WILLIAM FREDERICK.....(Q) New York City
 Williams College, A.B., 1904.
 Architecture, English.

LEVY, EMILIO.....Matamoros, Mexico
 Tulane University, B.E., 1902.
 Architecture, Mechanical Engineering.

LUDLOW, THOMAS WILLIAM.....New York City
 Columbia University, B.S., 1903.
 Architecture.

NOT IN ACTUAL RESIDENCE

Students Travelling

DEAN, EDMUND CLARENCE.....Paris
 Columbia University, B.S., 1904.

MEEKS, EVERETT V.....Paris
 Yale University, A.B., 1901.

STEVENS, SHEPHERD.....Paris
 Columbia University, B.S., 1903.

Total..... 6

SUMMARY

Students candidates for a degree or certificate.....	66
Non-matriculated students.....	30
Candidates for higher degrees.....	6

102

STUDENTS IN MUSIC

(For the announcement of this Department of Music see page 122).

STUDENTS NOT CANDIDATES FOR A DEGREE

BICE, HELEN WILLIAMS (Mrs. H. H.).....	New York City
BINGHAM, KENNETH FISHER.....	New York City
BORGWALD, CARL.....	Mt. Vernon, N. Y.
DRAPER, ERMINIA JOSEPHINE.....	New York City
DUNN, JAMES PHILIP.....	(Br) New York City College of the City of New York, A.B., 1903.
FARMER, ESTELLE ALMA.....	Gouverneur, N. Y.
GREER, MARY MORRISON.....	New York City
HAAN, HELEN ILONA.....	New York City
HAWKINS, WARNER MASON.....	New York City
HERRESHOFF, JEANNETTE BROWN.....	New York City
HYDE, MARIE GIBSON.....	(Bklyn) New York City
JOHNSON, EVA ELSWORTH.....	Huntington, N. Y.
KAHN, AUGUSTA.....	New York City
KIMBALL, ELIZABETH.....	New York City
KNOX, ELFREDA ETHEL (Mrs.).....	Hoboken, N. J.
KRAFT, WILLIAM JACOB.....	Mamaroneck, N. Y. Yale University, B.Mus., 1902.
LAMBORD, BENJAMIN FULTON.....	New York City
MAY, CHARLES ALFRED.....	(Bklyn) New York City
MURRAY, LILY SYLVESTER.....	Montclair, N. J. Columbia University, A.B., 1905.
NEIDLINGER, WILLIAM.....	New York City
PIUTTI, MINNA.....	Aurora, N. Y. Wells College, A.B., 1901.
POTTER, LYDIA V. H. (Mrs. A. J.).....	Metuchen, N. J. University of Michigan, A.B., 1880. Columbia University, A.M., 1890.
REDFIELD, JOHN HOWARD.....	New York City Haverford College, B.S., 1899. Mass. Inst. of Tech., B.S., 1902.
SINCLAIR, JEAN STUYVESANT.....	(Bklyn) New York City
SLOANE, MARION WALLACE.....	Newark, N. J.
TIFT, KATHERINE LOUISE.....	Tifton, Ga.
ULANOV, NATHAN.....	New York City
WALLACE, LESLIE ELLA.....	New York City
WARD, FRANK EDWIN.....	Rye, N. Y.
WITTGENSTEIN, VICTOR HUGO.....	New York City
ZEHE, EMMA JULIA (Mrs. P. E.).....	(Bklyn) New York City Vassar College, A.B., 1875.
Total.....	31

CANDIDATE FOR HIGHER DEGREE

GILBERT, CHARLES A.....	Madison, N. J. Ohio Wesleyan University, A.B., 1900; A.M., 1903. Drew Theological Seminary, B.D., 1903. <i>Music.</i>
Total.....	1

SUMMARY

Students not candidates for a degree.....	31
Candidate for higher degree.....	1
Total.....	32

FACULTY OF POLITICAL SCIENCE

ESTABLISHED 1880

Officers of the Faculty

JOHN W. BURGESS, Ph.D., LL.D....*Dean and ex-officio Member of the
University Council*
HENRY ROGERS SEAGER, Ph.D.....*Secretary*
MUNROE SMITH, J.U.D., LL.D. (term expires 1907)...*Elected Delegate
to the University Council*

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., Litt.D. (Oxon.), *President*
JOHN W. BURGESS, Ph.D., LL.D.....*Ruggles Professor of Political
Science and Constitutional Law*
MUNROE SMITH, J.U.D., LL.D.....*Professor of Roman Law and
Comparative Jurisprudence*
FRANK J. GOODNOW, A.M., LL.D....*Eaton Professor of Administrative
Law and Municipal Science*
¹EDWIN R. A. SELIGMAN, Ph.D., LL.D.....*McVickar Professor
of Political Economy*
HERBERT L. OSGOOD, Ph.D.....*Professor of History*
JOHN BASSETT MOORE, LL.D.....*Hamilton Fish Professor of
International Law and Diplomacy*
WILLIAM A. DUNNING, Ph.D., LL.D.....*Lieber Professor of History
and Political Philosophy*
FRANKLIN H. GIDDINGS, Ph.D., LL.D.....*Professor of Sociology*
JOHN B. CLARK, Ph.D., LL.D.....*Professor of Political Economy*
JAMES HARVEY ROBINSON, Ph.D.....*Professor of History*
WILLIAM M. SLOANE, Ph.D., L.H.D., LL.D.....*Seth Low Professor of
History*
HENRY R. SEAGER, Ph.D.....*Professor of Political Economy*
HENRY L. MOORE, Ph.D.....*Adjunct Professor of Political Economy*
WILLIAM R. SHEPHERD, Ph.D.....*Adjunct Professor of History*
¹JAMES T. SHOTWELL, Ph.D.....*Adjunct Professor of History*
GEORGE W. BOTSFORD, Ph.D.....*Adjunct Professor of History*
ALVIN S. JOHNSON, Ph.D.....*Adjunct Professor of Economics*
VLADIMIR G. SIMKHOVITCH, Ph.D.....*Adjunct Professor of Economic
History*
EDWARD THOMAS DEVINE, Ph.D....*Schiff Professor of Social Economy*

¹ Absent on leave.

GENERAL STATEMENT

The Faculty of Political Science has charge of the university courses of instruction and research in political and social science, including history, economics, public law, and comparative jurisprudence.

The School of Political Science was opened on Monday, the fourth day of October, 1880.

It is the purpose of the School to give a complete general view of all the subjects of public polity, both internal and external, from the threefold point of view of history, law, and philosophy. The prime aim is, therefore, the development of all the branches of the political and social sciences. The secondary and practical objects are:

- (a) To fit young men for the public service.
- (b) To give an adequate economic and legal training to those who intend to make journalism their profession.
- (c) To supplement, by courses in public law and comparative jurisprudence, the instruction in private municipal law offered by the Faculty of Law.
- (d) To educate teachers of history, economics, social science, public law, and jurisprudence.

Young men who wish to obtain positions in the United States civil service—especially in those positions for which special examinations are held—will find it advantageous to follow many of the courses under the Faculty of Political Science, especially the courses on political history, diplomatic history, and international law, government (including the governmental organization of the territories and dependencies of the United States), statistics, finances, and administration. Candidates for appointment in the administrative service of our dependencies may obtain adequate preparation by adding to the general courses on public law and on political economy and finance the special courses now offered in the School of Political Science on colonial history and administration, colonial economics, and Spanish civil law, and the courses on the Spanish language and literature offered in the College and the School of Philosophy.

The work in economics and sociology falls under three heads, viz.: the university courses of instruction in the various departments of economics and social science, the work in the statistical laboratory, and the "field-work," or practical work in connection with the visitation of the more important departments and philanthropic institutions of New York City. These are fully explained in the detailed *Announcement of the Courses in History, Economics, and Public Law*.

ADMISSION AND ATTENDANCE

Every student is required to file a list of his studies for the academic year at the time he registers, or within one week thereafter, at the office of the Registrar. If he subsequently wishes to make any change

in his studies he must file written notice of his wish at the Dean's office, and must obtain the assent of the Dean.

Immediate written notice must be given to the Registrar of any change of address.

Admission to the School of Political Science does not imply admission to candidacy for a degree. The conditions of candidacy for the several degrees are given (on page 185).

Women who hold a baccalaureate degree are admitted to the School of Political Science as students in history and economics and may become candidates for the higher degrees.

Admission to other Courses

Any duly matriculated university student is at liberty to combine, without any additional fee, courses of study and investigation under this Faculty with courses offered by other Faculties of the University and with courses offered in the College.

FEEES

(See page 24)

COURSES OF INSTRUCTION

For the courses offered in 1905-06 (and for information as to which of these courses are open to seniors in the College, and which to women), see statement under groups of subjects, as follows:

Economics and Social Science, page 67.

History and Political Philosophy, page 94.

Public Law and Comparative Jurisprudence, page 103.

For more detailed accounts of the courses and for the tender of 1905-06, application should be made for the *Announcement of the Courses in History, Economics, and Public Law*.

Seminars

Outside of the regular instruction in the various subjects by lecture, it is the practice to furnish the students of the School an opportunity for special investigation of historical, legal, economic, and social questions under the direction of the professors. This is done by means of original papers prepared by the students. The papers are read before the professor and the students, and are then criticised and discussed. There will be at least one seminar in each subject. The number of meetings and the topics to be discussed are determined each year. Attendance at the seminar in the major subject is necessary on the part of candidates for the degree of Master of Arts or Doctor of Philosophy.

FACULTY OF PHILOSOPHY

ESTABLISHED 1890

Officers of the Faculty

EDWARD DELAVAN PERRY, Ph.D., LL.D. . . . *Dean and ex-officio Member
of the University Council*
 GEORGE N. OLCOTT, Ph.D. *Secretary*
 WILLIAM HENRY CARPENTER, Ph.D. . *Elected Delegate to the University
Council*

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., Litt.D. (Oxon.) . . . *President*
 RICHARD JAMES HORATIO GOTTHEIL, Ph.D. . . . *Professor of Rabbinical
Literature and the Semitic Languages*
 HARRY THURSTON PECK, Ph.D., L.H.D., LL.D. . . . *Anthon Professor of
the Latin Language and Literature*
 WILLIAM HENRY CARPENTER, Ph.D. . . . *Villard Professor of Germanic
Philology*
 J. McKEEN CATTELL, Ph.D. *Professor of Psychology*
 EDWARD DELAVAN PERRY, Ph.D., LL.D. *Jay Professor of Greek*
 ABRAHAM VALENTINE WILLIAMS JACKSON, Ph.D., L.H.D., LL.D. . *Pro-
fessor of the Indo-Iranian Languages*
 ADOLPHE COHN, LL.B., A.M. *Professor of the Romance Languages
and Literatures*
 BRANDER MATTHEWS, Litt.D., D.C.L., LL.D. . . . *Professor of Dramatic
Literature*
 HENRY ALFRED TODD, Ph.D. *Professor of Romance Philology*
 GEORGE RICE CARPENTER, A.B. *Professor of Rhetoric and English
Composition*
 JAMES RIGNALL WHEELER, Ph.D. *Professor of Greek*
 JAMES CHIDESTER EGBERT, Ph.D. *Professor of Roman Archæology
and Epigraphy*
¹ CALVIN THOMAS, A.M., LL.D. *Gebhard Professor of the Germanic
Languages and Literatures*
 CARLO LEONARDO SPERANZA, B. ès L., A.M. *Professor of Italian*
 FRANZ BOAS, Ph.D. *Professor of Anthropology*
 FRANKLIN T. BAKER, A.M. *Professor of the English Language and
Literature*

¹ Absent on leave.

JAMES EARL RUSSELL, Ph.D., LL.D.	<i>Barnard Professor of Education</i>
FRANK MORTON MCMURRY, Ph.D.	<i>Professor of the Theory and Practice of Teaching</i>
PAUL MONROE, Ph.D.	<i>Professor of the History of Education</i>
SAMUEL TRAIN DUTTON, A.M.	<i>Professor of School Administration</i>
WILLIAM PETERFIELD TRENT, M.A., LL.D.	<i>Professor of English Literature</i>
¹ MORTIMER LAMSON EARLE, Ph.D.	<i>Professor of Classical Philology</i>
NELSON GLENN MCCREA, Ph.D.	<i>Professor of Latin</i>
GONZALEZ LODGE, Ph.D., LL.D.	<i>Professor of Latin and Greek</i>
CLARENCE HOFFMAN YOUNG, Ph.D.	<i>Professor of Greek</i>
LIVINGSTON FARRAND, A.M., M.D.	<i>Professor of Anthropology</i>
EDWARD LEE THORNDIKE, Ph.D.	<i>Professor of Genetic Psychology</i>
CHARLES KNAPP, Ph.D.	<i>Adjunct Professor of Classical Philology</i>
JOHN DYNELEY PRINCE, Ph.D.	<i>Professor of the Semitic Languages</i>
FREDERICK J. E. WOODBRIDGE, A.M., LL.D.	<i>Johnsonian Professor of Philosophy</i>
FRIEDRICH HIRTH, Ph.D.	<i>Dean Lung Professor of Chinese</i>
FELIX ADLER, Ph.D.	<i>Professor of Social and Political Ethics</i>
JULIUS SACHS, Ph.D.	<i>Professor of Secondary Education</i>
CHARLES A. STRONG, A.B.	<i>Professor of Psychology</i>
MARSHALL H. SAVILLE	<i>Loubat Professor of American Archæology</i>
WILLIAM ADDISON HERVEY, A.M.	<i>Adjunct Professor of the Germanic Languages and Literatures</i>
RUDOLF TOMBO, Jr., Ph.D.	<i>Adjunct Professor of the Germanic Languages and Literatures</i>
JOEL ELIAS SPINGARN, Ph.D.	<i>Adjunct Professor of Comparative Literature</i>
GEORGE N. OLCOTT, Ph.D.	<i>Adjunct Professor of Latin</i>
GEORGE STUART FULLERTON, Ph.D.	<i>Professor of Philosophy</i>
WILLIAM ALLAN NEILSON, Ph.D.	<i>Professor of English</i>
JEFFERSON B. FLETCHER, A.M.	<i>Professor of Comparative Literature</i>
JOHN DEWEY, Ph.D., LL.D.	<i>Professor of Philosophy</i>
ROBERT S. WOODWORTH, Ph.D.	<i>Adjunct Professor of Psychology</i>

GENERAL STATEMENT

The Faculty of Philosophy has charge of the university courses of instruction and research in philosophy, psychology, education, anthropology, philology, and letters. Any duly matriculated university student is at liberty to combine courses of study and investigation under this Faculty with courses offered by the Faculties of Law, Medicine, Political Science, Pure Science, and Applied Science.

Students are received either as candidates for the degrees of Master of Arts and Doctor of Philosophy (see "Regulations for University

¹ Died September 26, 1905.

Degrees," pages 185-191), or, as "non-matriculated students," to pursue special or partial courses.

Students enrolled in any one of the theological seminaries mentioned on page 30, who may be designated for the privilege by the authorities of those institutions, and accepted by the President of Columbia University, are admitted to the courses offered by the Faculty of Philosophy free of any charge for tuition.

Students enrolled in the Art Schools of the Metropolitan Museum of Art, who may be designated for the privilege by the authorities of those schools, and accepted by the President of Columbia University, are permitted to attend the courses of lectures on archæology and æsthetics free of any charge for tuition.

All of these institutions offer reciprocal privileges to students of Columbia University.

COURSES OF STUDY AND RESEARCH

For the courses offered for 1905-06, see departmental statements as follows:

Anthropology, page 40.

Philosophy and Psychology, page 134.

Greek (including Archæology and Epigraphy), page 90.

Latin (including Epigraphy and Roman Archæology), page 99.

English, page 80.

Comparative Literature, page 65.

Education, page 71.

Germanic Languages, page 86.

Romance Languages page 152.

Oriental Languages

Semitic, page 128.

Indo-Iranian, page 126.

Chinese, page 125.

Science of Language, page 128.

For the courses to be offered for 1905-06, application should be made for the *Announcement of the Schools of Philosophy, Political Science, and Pure Science*, and for the divisional *Announcements of Classical Philology, Modern Languages and Literatures, Oriental Languages, Philosophy, Psychology, and Anthropology*, and of Teachers College, published in the spring of 1905.

FACULTY OF PURE SCIENCE

ESTABLISHED 1892

Officers of the Faculty

EDMUND B. WILSON, Ph.D., LL.D. *Dean and ex-officio Member of
the University Council*
WILLIAM HALLOCK, Ph.D. *Secretary*
JAMES F. KEMP, A.B., E.M. (term expires 1907) *Elected Delegate
to the University Council*

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., Litt.D. (Oxon.), *President*
J. HOWARD VAN AMRINGE, Ph.D., L.H.D., LL.D. *Professor of
Mathematics*
CHARLES F. CHANDLER, M.D., Ph.D., LL.D., Sc.D. . . *Mitchill Professor
of Chemistry*
HENRY S. MUNROE, E.M., Ph.D., Sc.D. *Professor of Mining*
FREDERICK R. HUTTON, E.M., Ph.D., Sc.D. . . . *Professor of Mechanical
Engineering*
¹JOHN K. REES, E.M., Ph.D. . *Rutherford Professor of Astronomy, and
Director of the Observatory*
JOHN G. CURTIS, M.D., LL.D. *Professor of Physiology*
ALFRED J. MOSES, E.M., Ph.D. *Professor of Mineralogy*
GEORGE S. HUNTINGTON, M.D., Sc.D. *Professor of Anatomy*
HENRY FAIRFIELD OSBORN, Sc.D., LL.D. *Da Costa Professor of
Zoölogy*
EDMUND B. WILSON, Ph.D., LL.D. *Professor of Zoölogy*
JAMES F. KEMP, A.B., E.M. *Professor of Geology*
WILLIAM HALLOCK, Ph.D. *Professor of Physics*
FRANCIS B. CROCKER, E.M., Ph.D. . . *Professor of Electrical Engineering*
MICHAEL I. PUPIN, Ph.D., Sc.D. *Professor of Electro-Mechanics*
T. MITCHELL PRUDDEN, M.D., LL.D. *Professor of Pathology*
WILLIAM H. BURR, C.E. *Professor of Civil Engineering*
THOMAS SCOTT FISKE, Ph.D. *Professor of Mathematics*
HAROLD JACOBY, Ph.D. *Professor of Astronomy*
FRANK N. COLE, Ph.D. *Professor of Mathematics*
FREDERIC S. LEE, Ph.D. *Professor of Physiology*

¹ Absent on leave.

BASHFORD DEAN, Ph.D.....	<i>Professor of Vertebrate Zoölogy</i>
LUCIEN MARCUS UNDERWOOD, Ph.D.....	<i>Torrey Professor of Botany</i>
HENRY M. HOWE, A.M., B.S., LL.D.....	<i>Professor of Metallurgy</i>
JOHN FRANCIS WOODHULL, Ph.D.....	<i>Professor of Physical Science in Teachers College</i>
RICHARD ELWOOD DODGE, A.M....	<i>Professor of Geography in Teachers College</i>
FRANCIS ERNEST LLOYD, A.M.	<i>Adjunct Professor of Biological Science in Teachers College</i>
JAMES MACLAY, C.E., Ph.D.....	<i>Professor of Mathematics</i>
EDMUND HOWD MILLER, Ph.D.....	<i>Professor of Analytical Chemistry</i>
MARSTON TAYLOR BOGERT, A.B., Ph.B.....	<i>Professor of Organic Chemistry</i>
J. LIVINGSTON RUTGERS MORGAN, Ph.D.....	<i>Professor of Physical Chemistry</i>
HENRY E. CRAMPTON, Ph.D.....	<i>Professor of Zoölogy</i>
DAVID EUGENE SMITH, Ph.D., LL.D.....	<i>Professor of Mathematics in Teachers College</i>
WILLIAM J. GIES, M.S., Ph.D.....	<i>Professor of Physiological Chemistry</i>
AMADEUS W. GRABAU, S.M., S.D.....	<i>Professor of Palæontology</i>
HERBERT MAULE RICHARDS, Sc.D.....	<i>Adjunct Professor of Botany</i>
GARY N. CALKINS, Ph.D.....	<i>Professor of Invertebrate Zoölogy</i>
PHILIP HANSON HISS, Jr., M.D., Ph.D.....	<i>Adjunct Professor of Bacteriology</i>
CASSIUS J. KEYSER, Ph.D.....	<i>Adrain Professor of Mathematics</i>
ERNEST FOX NICHOLS, Sc.D.....	<i>Professor of Experimental Physics</i>
LEA MCILVAINE LUQUER, Ph.D.....	<i>Adjunct Professor of Mineralogy</i>
RUSSELL BURTON-OPITZ, M.D.....	<i>Adjunct Professor of Physiology</i>
THOMAS HUNT MORGAN, Ph.D.....	<i>Professor of Experimental Zoölogy</i>
CHARLES LANE POOR, Ph.D.....	<i>Professor of Astronomy</i>
HENRY CLAPP SHERMAN, Ph.D.....	<i>Adjunct Professor of Analytical Chemistry</i>
FRANK LEO TUFTS, Ph.D.....	<i>Adjunct Professor of Physics</i>
ALBERT P. WILLS, Ph.D.....	<i>Adjunct Professor of Mechanics</i>
HENRY B. MITCHELL, A.M.....	<i>Adjunct Professor of Mathematics</i>
HERMON C. BUMPUS, Ph.D.....	<i>Director of the American Museum of Natural History</i>

GENERAL STATEMENT

The Faculty of Pure Science has charge of the university courses of instruction and research in all branches of pure science, and especially the supervision of candidates for the degrees of Master of Arts and Doctor of Philosophy in pure science. Students under other University Faculties are also at liberty to pursue courses of study and investigation under this Faculty.

Candidates for the higher degrees taking major subjects in pure

science will be regarded as under the special jurisdiction of this Faculty.

Graduate students, candidates for the degree of Master of Arts or Doctor of Philosophy, are subject:

1. To the general regulations of the University Council. (See pages 185-191.)
2. To the special regulations of this Faculty.

Special Regulations of the Faculty of Pure Science

The degree of Doctor of Philosophy is awarded on the basis of a thorough training in the methods of advanced work and investigation in some branch of science. The following statements are offered for the guidance of students. In the case of students of special ability or exceptional previous training, the Faculty may modify its usual regulations.

The student is expected to gain a sound general knowledge of the two minor subjects of his choice. In the major subjects a much more thorough and special knowledge is required, particular importance being attached to training in research. Each minor subject is intended to occupy approximately one fourth of the time during one year for the degree of Master of Arts, and during one or two years, according to the nature of the subject and the previous training of the candidate, for the degree of Doctor of Philosophy. It is expected that the third year of study, and in certain cases both the second and the third years, will be wholly devoted to the major subject and to investigation for the dissertation.

The approval of the subject of the essay required for the degree of Master of Arts, or the subject of the dissertation required for the degree of Doctor of Philosophy, as well as the essay or dissertation itself, rests with the instructor in charge of the candidate's major subject. It is desirable that these studies should be related, and, when practicable, that they should be treated respectively as preliminary and completed investigations. Great importance is attached to the character of the final dissertation. While it must depend for acceptance chiefly on the subject-matter, it should show good literary workmanship, especially by directness and clearness of statement. It should demonstrate the author's capacity to do original scientific work, and to render an intelligible account thereof. It should evince a familiarity with the literature of the subject, and with the latest methods of research applicable to it. The treatment should be as concise as the nature of the work permits. Every dissertation should be preceded by a clear introductory statement setting forth the nature and the scope of the research, and be followed by a *résumé* of the results and the conclusions obtained. It should also be accompanied by a table of contents and by a list of the authorities consulted in its preparation.

Non-matriculated Students

Students who are not candidates for a degree may be permitted to pursue such courses from among those offered by this Faculty as they may be found qualified to enter upon. Each applicant must demonstrate his preparation for, and his ability to pursue, the course or courses selected, and of his qualifications the heads of the departments in which he proposes to study shall be the judges. In general these special courses are open only to advanced students.

COURSES OF STUDY

For the courses offered for 1905-06, see departmental statements as follows:

Anatomy , page 36.	Mathematics , page 105.
Astronomy , page 45.	Mechanical Engineering , page 108.
Bacteriology , page 47.	Mechanics , see Physics .
Botany , page 48.	Metallurgy , page 113.
Chemistry , page 53.	Mineralogy , page 116.
Civil Engineering , page 59.	Mining , page 118.
Electrical Engineering , page 76.	Physics , page 141.
Engineering Draughting , page 79.	Physiological Chemistry , page 146.
Geology , page 84.	Physiology , page 148.
	Zoölogy , page 159.

For more detailed accounts of the courses and for the tender of 1906-07, application should be made for the *Announcement of the Schools of Political Science, Philosophy, and Pure Science*, and for the divisional *Announcements of Biology, of Chemistry, of Geology, Geography, and Mineralogy, of Mathematical and Physical Science*, and of the *Schools of Engineering*, published in the spring.

REGISTER OF STUDENTS, 1905-06

Under the Faculties of Political Science, Philosophy, and Pure Science

NOTE.—(P), signifying "Partial Attendance," following the name of a candidate indicates that the total hours of attendance for which this student is registered are not sufficient to fulfil the minimum residence requirement for the degree of Master of Arts, in one year, or that for the degree of Doctor of Philosophy in two years.

- ABBOTT, LUTHER JEWETT.....Hastings, Oklahoma
University of Nebraska, A.B., 1896; LL.B., 1900.
American History, Modern European History, Education.
- ABELSKY, MOSES JOSEPH (P).....New York City
College of the City of New York, A.B., 1904.
Philosophy, Anthropology, Sociology and Statistics.
- ABURATANI, JIROSHICHI.....Tokio, Japan
Doshisha College, Japan (equiv. A.B.), 1892.
Sociology and Statistics, Political Economy and Finance, Mediæval History.
- ADAMS, JESSIE BLANCHE.....New York City
Columbia University, A.B., 1904.
Philosophy, Ethics, Psychology.
- AIKIN, MARY PEARLE (P).....Lyons, Kansas
English.
- ALEXANDER, LUTHER HERBERT (P).....Stratford, Ont., Canada
University of Toronto, A.B., 1883; A.M., 1885.
Romance, English.
- AMANO, SEIICHI.....Shignoki-Ken, Japan
Doninshia Gakko, Japan (equiv. A.B.), 1892.
Modern European History, Political Economy and Finance, Sociology and Statistics.
- ANDERSON, GUSTAVUS EDWIN LEHI.....Lehi, Utah
University of Chicago, B.S., 1905.
Geology, Metallurgy, Mining.
- ANDERSON, MAY ELIZA (P).....Plattsburgh, N. Y.
Cornell University, Ph.B., 1900.
Romance.
- ARMAND, LOUIS JULES.....New York City
Columbia University, B.S., 1905.
Romance, Education.
- ARNER, GEORGE BYRON LOUIS.....Jefferson, Ohio
German Wallace College, B.L., 1904.
Sociology and Statistics, Political Economy and Finance, Mediæval History.
- ARNOLD, JAMES LORING (P).....New York City
Columbia University, A.B., 1891.
University of Leipzig (Germany), Ph.D., 1897.
Physics.
- ATKINS, JOHN NORTON.....New York City
Columbia University, A.B., 1902.
Sociology and Statistics, Ancient History, Mediæval History.
- ATWATER, JOHN CLARENCE (P).....Yonkers, N. Y.
Syracuse University, A.B., 1898.
Physics.

- AUTENRIETH, GEORGE CARL (P).....(Br) New York City
College of the City of New York, B.S., 1902.
Mechanics.
- AYRES, MARY STEVENS (P).....New York City
Wellesley College, A.B., 1900.
English.
- BACHRACH, SIMON (P).....New York City
College of the City of New York, A.B., 1904.
English.
- BAKER, ANNA GERTRUDE.....Westerville, Ohio
Otterbein University, A.B., 1898.
Latin, Roman Archaeology, Germanic.
- BAKER, ELEANOR ROBINSON (P).....New York City
Vassar College, A.B., 1899.
Education.
- BAKER, EZRA FLAVIUS (P).....Marshall, Mo.
Missouri Valley College, A.B., 1898.
Columbia University, A.M., 1905.
Philosophy.
- BALDWIN, BURTON JOHN (P).....Woodbridge, Conn.
Wesleyan University, A.B., 1902.
Yale University, A.B., 1903.
Sociology and Statistics.
- BALDWIN, FLORENCE THEODORA (P).....New York City
Columbia University, A.B., 1900; A.M., 1902.
Roman Archaeology.
- BALDWIN, FRITZ WALTER, JR.....East Orange, N. J.
Amherst College, A.B., 1905.
Mediæval History, American History, Political Economy and Finance.
- BALLIS, EUGENE ALBERT (P).....Portland, Ore.
Hanover College, A.B., 1890.
Mediæval History, Romance.
- BANCKER, MARY CLARK.....Jackson, Mich.
University of Michigan, Ph.B., 1891; Ph.M., 1892.
English, Philosophy.
- BANTA, EFFIE MARGARET (P).....(Bklyn) New York City
Wellesley College, A.B., 1891.
Columbia University, A.M., 1905.
Comparative Literature, English.
- BARTLETT, DWIGHT ALBERT (P).....North Adams, Mass.
Williams College, A.B., 1903.
Mineralogy.
- BARTON, ROSE MAYARD (P).....New York City
Cornell University, A.B., 1903.
English.
- BATES, ERNEST SUTHERLAND.....New York City
University of Michigan, A.B., 1902; A.M., 1903.
English, Comparative Literature.
- BATES, FLORENCE FISHER.....Bay City, Mich.
University of Michigan, A.B., 1902.
Oberlin College, A.M., 1904.
English, Comparative Literature.
- BATES, MINER LEE.....East Orange, N. J.
Hiram College, A.B., 1895; A.M., 1896.
Sociology and Statistics, Political Economy and Finance, Philosophy.
- BEALE, ARTHUR STANLEY (P).....Milwaukee, Wis.
Harvard University, A.B., 1905.
English.
- BECKWITH, MARTHA WARREN (P).....Montclair, N. J.
Mount Holyoke College, B.S., 1893.
Anthropology.

- BECKWITH, MAYNARD WELLS (P).....Madison, N. J.
University of Southern California, A.B., 1903.
Sociology and Statistics.
- BEECKMAN, FLORENCE LOUISE (P).....New York City
Columbia University, A.B., 1904; A.M., 1905.
American History.
- BENNET, WILLIAM HILES (P).....New York City
Union University, LL.B., 1892.
Administrative Law.
- BENNETT, FLORENCE MARY (P).....Nantucket, Mass.
Vassar College, A.B., 1903.
Classical Archaeology, Greek.
- BENNETT, GEORGIANA GRACE.....Hackensack, N. J.
Columbia University, A.B., 1905.
English, Comparative Literature, Mathematics.
- BENNETT, MARVIN VALETTE (P).....Reidville, S. C.
Wofford College, A.B., 1898; A.M., 1903.
Latin, Greek.
- BENNETT, REUBEN GRANT (P).....Freeport, O.
Franklin College, A.B., 1893.
Swarthmore College, B.S., 1897.
University of Pennsylvania, A.M., 1903.
Chemistry.
- BERGEN, FRANCIS PATRICK (P).....Hartford, Conn.
Massachusetts Institute of Technology, B.S., 1898.
Mechanics.
- BERNARD, REV. CONSTANT (P).....Hawthorne, N. Y.
Semitics.
- BERRY, EVIS HOWARD (P).....Portland, Me.
Mount Holyoke College, A.B., 1903.
Zoology.
- BISSELL, REV. PELHAM ST. GEORGE.....Freeport, N. Y.
Columbia University, A.B., 1880; A.M., 1904.
Kings College, London, A.K.C., 1899.
Sociology and Statistics.
- BLACKWOOD, IRVIN AIKEN (P).....New York City
Geneva College, A.B., 1894; A.M., 1895.
Philosophy, Sociology and Statistics, Mediæval History.
- BLAKELY, GILBERT SYKES (P).....(Br) New York City
Dartmouth College, A.B., 1888.
Harvard University, A.M., 1897.
English.
- BLANCHARD, RALPH CARPENTER.....Terre Haute, Ind.
Rose Polytechnic Institute, B.S., 1905.
Geology, Metallurgy, Mining.
- BLANK, MARCO ISSER.....New York City
New York University, M.D., 1897.
Columbia University, A.B., 1903.
Psychology, Anthropology, Philosophy.
- BLECHMAN, NATHAN (P).....New York City
College of the City of New York, A.B., 1902.
Philosophy.
- BLEWS, RICHARD RUTHERFORD.....New Castle, Pa.
Greenville College, A.B., 1904.
Greek, Latin, Ancient History.
- BLISS, RALPH POTTER (P).....(Bklyn) New York City
Colgate University, Ph.B., 1899.
Mathematics.
- BLOCKER, SIMON (P).....New Brunswick, N. J.
Rutgers College, A.B., 1905.
Philosophy.

- BLODGETT, FRANCIS BRANCH (P).....New York City
Hobart College, A.B., 1899.
Harvard University, S.T.B., 1904.
Semitics.
- BLOOMFIELD, WINIFRED WALTON.....Tacoma, Wash.
Hamline University, Ph.B., 1899.
Latin, Roman Archaeology, Ancient History.
- BLUME, JULIUS (P).....(Q) New York City
Gymnasium, Rheine, Germany (equiv. A.B.), 1883.
Romance, German.
- BOGERT, CHARLOTTE RITZEMA.....(Bklyn) New York City
Swarthmore College, A.B., 1904.
Classical Archaeology, Latin, Greek.
- BOGGS, NORMAN TONAI.....East Orange, N. J.
Princeton University, A.B., 1904.
Comparative Literature, English.
- BOLLERT, MINNIE LOUISE.....Guelph, Ont., Canada
University of Toronto, A.B., 1900; A.M., 1902.
English, Education.
- BONSALL, VICTOR FITCH MOUNT.....New York City
Columbia University, A.B., 1901; A.M., 1902.
Latin, Greek.
- BOWMAN, NINA CLARE.....Newton, Ky.
Kansas State University, A.B., 1893.
Latin.
- BOYD, HARRY CLAYTON.....Union City, Pa.
Trinity College, A.B., 1905.
Chemistry, Geology, Mineralogy.
- BRACKETT, MARY MORRELL (P).....New York City
Columbia University, A.B., 1899.
Botany.
- BRADSHER, EARL LOCKRIDGE.....Clifton Hill, Mo.
University of Missouri, A.B., 1903.
Columbia University, A.M., 1904.
English.
- BRANSON, JOHN HOOD.....West Union, Ohio
Harvard University, A.B., 1902.
Bacteriology, Zoology, Botany, Physiological Chemistry.
- BREWSTER, CAROL WILLIAMS (P).....Northampton, Mass.
Smith College, A.B., 1896.
Anthropology.
- BREWSTER, JOHN ALFRED.....Geauga Lake, Ohio
Harvard University, A.B., 1895.
Sociology and Statistics, Political Economy and Finance.
- BRISCO, NORRIS ARTHUR.....Napanea, Ont., Canada
Queens University, A.B., 1898; A.M., 1900.
Political Economy and Finance.
- BROUGH, ALEXANDER (P).....New York City
Amherst College, A.B., 1887.
Columbia University, LL.B., 1889.
Administrative Law.
- BROWN-SERMAN, STANLEY.....New York City
Columbia University, A.B., 1905.
Semitics, Mediæval History.
- BROWNE, DUNCAN HODGE.....New York City
Columbia University, A. B., 1905.
Mediæval History, Modern European History, Constitutional Law.
- BRUMMER, SIDNEY DAVID.....New York City
College of the City of New York, A.B., 1899.
Columbia University, A.M., 1901.
American History, Mediæval History, Constitutional Law.

- BUDLONG, FRED GRANDEV. Fairmont, Minn.
Hobart College, A.B., 1904.
Sociology and Statistics, Social Economy, Mediæval History.
- BURCHARD, SARAH LOUISE (P). Hamilton, N. Y.
Vassar College, A.B., 1904.
Greek.
- BURLINGHAM, GERTRUDE SIMMONS. Mexico, N. Y.
Syracuse University, A.B., 1896.
Botany, Physiological Chemistry.
- BURRILL, PERCY MORRIS (P). Summit, N. J.
Columbia University, E.M., 1896.
Electrical Engineering, Mechanical Engineering.
- BYRNE, MARGARET (P). (Bklyn) New York City
Columbia University, A.B., 1905.
Classical Proseminar.
- BYSHE, ERNEST WILFRED. Rowayton, Conn.
Taylor University, A.B., 1901.
Philosophy, Greek.
- CAMERA, AMERICA ULYSSES NICOLAS. (Bklyn) New York City
New York University, Ph.B., 1900.
Columbia University, A.M., 1901.
Romance, Germanic.
- CAMERON, COLIN, JR. Patagonia, Ariz.
Franklin and Marshall College, A.B., 1905.
Political Economy and Finance, Sociology and Statistics, Modern European History.
- CARHART, ELIZABETH MERLE. Dorset, Vermont
Columbia University, A.B., 1901.
American History, Mediæval History, Sociology and Statistics.
- CARLETON, GUY MORTIMER. New York City
Yale University, A.B., 1890.
English, Education.
- CARPENTIER, MARIUS ALEXANDRE. (Bklyn) New York City
College of the City of New York, B.S., 1889.
Romance, Germanic.
- CASHMAN, JOSEPH FRANCIS (P). (Bklyn) New York City
Adelphi College, A.B., 1905.
English, Comparative Literature.
- CAZIN, ADELE (P). Hoboken, N. J.
Columbia University, B.S., 1904.
Chemistry, Education.
- CHADDOCK, ROBERT EMMET. Minerva, Ohio
Wooster University, A.B., 1900.
Sociology and Statistics, Political Economy and Finance, Modern European History.
- CHAMBERLAIN, RAYMOND (P). Oak Ridge, N. J.
Columbia University, A.B., 1901; A.M., 1902.
Philosophy, Psychology.
- CHATER, ELLEN MACREA DUNDAS. Englewood, N. J.
Vassar College, A.B., 1894.
English, Philosophy.
- CLARK, JOHN MAURICE (P). New York City
Amherst College, A.B., 1905.
Political Economy and Finance, Sociology and Statistics, American History.
- CLARKE, JANE BAKER (P). New York City
Germanic.
- CODDINGTON, JESSIE THEODORIA (P). (Bklyn) New York City
Adelphi College, A.B., 1905.
English, Education.

- COE, MIRIAM STORRS. New York City
Smith College, B.S., 1899.
Zoology.
- COHEN, HELEN LOUISE. New York City
Columbia University, A.B., 1903; A.M., 1905.
English.
- COHEN, HELEN NESSA (P). New York City
Columbia University, A.B., 1905.
Semitics, German.
- COHEN, LOUIS JULIAN. New York City
College City of New York, B.S., 1899.
New York University, M.S., 1902.
Chemistry, Education, Physical Science.
- COHN, ABYE ALBERT. Brookhaven, Miss.
University of Mississippi, Ph.B., 1905.
Constitutional Law, Administrative Law, Political Philosophy.
- COKER, FRANCIS WILLIAM. Darlington, S. C.
University of North Carolina, A.B., 1899.
Harvard University, A.B., 1902.
Medieval History, Roman Law and Comparative Jurisprudence.
- COLLARD, CHARLES EDMUND. Schooleys Mountain, N. J.
Syracuse University, A.B., 1903.
Sociology and Statistics, Political Economy and Finance.
- COLLIER, W. ARMSTEAD, Jr. (P). Memphis, Tenn.
Philosophy, Psychology.
- COLLINS, CHARLES MOORE. (Q) New York City
Lincoln University, A.B., 1894; A.M., 1896.
Social Economy.
- COLLYER, HOMER LUSK. New York City
College of the City of New York, A.B., 1902.
Columbia University, A.M., 1904; LL.B., 1905.
Roman Law and Comparative Jurisprudence.
- COLSTEN, ALBERT LLOYD (P). (Bklyn) New York City
Cornell University, C.E., 1895.
Mathematics.
- COMPTON, ALFRED DONALDSON. New York City
College of the City of New York, B.S., 1897.
Comparative Literature.
- CONANT, SARAH HOWARD. North Thetford, Vt.
Wellesley College, B.S., 1887.
Education.
- CONDIT, ABBIE H. East Orange, N. J.
Wellesley College, A.B., 1905.
Sociology and Statistics.
- COOK, ELLEN PARMELEE. New York City
Smith College, B.S., 1893.
Chemistry, Physics.
- COOLEY, HELEN WILKING (P). New York City
Columbia University, A.B., 1905.
Modern European History, American History.
- COOLEY, WILLIAM FORBES (P). New York City
New York University, B.S., 1878.
Philosophy, Psychology.
- COOPER, CLAYTON SEDGWICK. New York City
Philosophy, Medieval History.
- COOPER, ISABELLA MITCHELL. Troy, N. Y.
Columbia University, A.B., 1901.
English, Education.
- CORCORAN, CHARLES ALOYSIUS. New York City
College of the City of New York, B.S., 1904.
Mechanics, Mathematics, Physics.

- CORDLEY, ANNIE MINTO (P).....Glen Ridge, N. J.
Wellesley College, B.S., 1887.
Columbia University, A.M., 1903.
English, Education.
- CORY, ABRAHAM EDWARD (P).....Nanking, China
Eureka College, A.B., 1894.
Drake University, A.M., 1899.
Chinese.
- CRAIG, MARY C. (P).....New York City
University of Toronto, A.B., 1894; A.M., 1904.
English.
- CRANE, KATHARINE PRIEST.....New York City
Smith College, B.L., 1897.
Medieval History, Ancient History, Semitics.
- CRAWFORD, LEONIDAS WAKEFIELD, Jr.....Reidsville N. C.
Trinity College, A.B., 1898.
Columbia University, A.M., 1903.
English.
- CROUCH, FRANK MONROE (P).....(Bklyn) New York City
Cornell University, A.B., 1900.
English.
- CROWTHER, ELIZABETH.....Smith, Mass.
University of Chicago, Ph.B., 1899.
Medieval History, American History, Sociology and Statistics.
- CULBERT, JANE FULLERTON (P).....(Bklyn) New York City
Vassar College, A.B., 1904.
English.
- CULL, SARA WHITE (P).....Baltimore, Md.
Woman's College of Baltimore, A.B., 1905.
Zoology.
- CURRIE, THOMAS HATFIELD (P).....New York City
Harvard University, A.B., 1891; A.M., 1893.
Physics.
- CURTIS, VARNUM PIERCE.....Worcester, Mass.
Worcester Polytechnic Institute, B.S., 1901; C.E., 1905.
Mechanics.
- CUTLER, SANFORD L. (P).....New York City
Amherst College, A.B., 1885; A.M., 1888.
Latin.
- DALLAS, RHEA.....Darlington, S. C.
Winthrop Normal and Industrial College, A.B., 1904.
American History, Ancient History, Political Economy and Finance.
- DAVIDOFF, HENRY.....New York City
College of the City of New York, A.B., 1899.
Columbia University, A.M., 1904.
English, Comparative Literature.
- DAVIES, THOMAS.....Seejorth, N. S.
Kings College, N. S., A.B., 1899; A.M., 1902.
Sociology and Statistics, Medieval History.
- DAVIS, MARGARET CAMERON (P).....Avalon, Pa.
University of Chicago, Ph.B., 1903.
English.
- DAVIS, WILLIAM WATSON.....Oak Grove, Ala.
Alabama Polytechnic Institute, B.S., 1903; M.S., 1904.
American History, Ancient History, Political Economy and Finance.
- DAY, ELIZABETH SOONERTON.....New York City
Columbia University, A.B., 1905.
English, Education.
- DAY, MARSHALL MALLORY.....New York City
Columbia University, A.B., 1905.
Semitics, Philosophy, Medieval History.

- DEAN, CLARA BARTLETT (P).....Rutherford, N. J.
Adelphi College, A.B., 1904.
Columbia University, A.M., 1905.
Modern European History.
- DEAN, JOHN CLARK.....Elmira, N. Y.
Hamilton College, A.B., 1905.
Mediæval History.
- DECKER, WINFORD CORNWALL.....Susquehanna, Pa.
Columbia University, A.B., 1905.
Germanic.
- DE GRANGE, MCQUILKIN (P).....Frederick, Md.
Johns Hopkins University, A.B., 1900.
Catholic University, LL.B., 1903.
Comparative Literature, English.
- DERDEN, JAMES (P).....Whitney, Texas
University of Maryland, LL.B., 1904.
Constitutional Law.
- DHALLA, MANECKJI NUSSERVANJI (P).....Kuracha, India
Indo-Iranian, Philosophy, English.
- DICKLER, NATHAN NATHAN (P).....(Bklyn) New York City
Columbia University, A.B., 1905.
Mathematics.
- DIDUSCH, JOSEPH S.....New York City
Loyola College, A.B., 1898.
Zoölogy.
- DIEHL, FRANK (P).....Holt, Mich.
University of Michigan, Ph.B., 1900.
Philosophy.
- DOBZYNSKI, ABRAHAM ELIAS (P).....New York City
Semitics, Philosophy.
- DORFMAN, WALDEMAR (P).....New York City
New York University, A.B., 1904.
Romance.
- DOTY, KATHARINE SWIFT (P).....New York City
Columbia University, A.B., 1904; A.M., 1905.
American History.
- DRESSER, CLARENCE GIBSON.....Salt Lake City, Utah
University of Utah, E.M., 1904.
Geology, Mining.
- DRUMM, CLINTON DURANT.....Albany, N. Y.
St. Stephens College, A.B., 1903.
Sociology and Statistics, Social Economy, Mediæval History.
- DUBLIN, LOUIS ISRAEL.....New York City
College of the City of New York, B.S., 1901.
Zoölogy.
- DU BOIS, ELIZABETH HICKMAN.....New York City
Cornell University, A.B., 1897.
Columbia University, A.M., 1901.
Latin, Roman Archæology, Greek Archæology.
- DUFFY, FRANCIS PATRICK (P).....Yonkers, N. Y.
St. Francis Xavier College, A.B., 1893; A.M., 1894.
Catholic University, S.T.B., 1896.
Sociology and Statistics, Social Economy.
- DURHAM, KNOWLTON.....New York City
Columbia University, A.B., 1901; A.M., 1902; LL.B., 1905.
International Law.
- EAVES, LUCILE (P).....San Francisco, Cal.
Leland Stanford, Jr., University, A.B., 1894.
Sociology and Statistics, Social Economy, Political Economy and Finance.

- EDDY, WALTER H. (P).....New York City
Amherst College, B.S., 1898.
Zoology.
- EDWARDS, RICHARD HENRY.....Lisle, N. Y.
Yale University, A.B., 1901; A.M., 1902.
Psychology, Philosophy.
- ELKINS, JOHN COURTLAND (P).....Madison, N. J.
Chinese.
- ELKINS, SAVILLA ALICE.....New York City
Columbia University, B.S., 1903; A.M., 1904.
Philosophy, Psychology.
- ELSBERG, ALBERT MARION.....New York City
Columbia University, A.B., 1905.
Modern European History, Mediæval History, Constitutional Law.
- ELTING, MABEL.....New Paltz, N. Y.
Columbia University, A.B., 1901.
English.
- EMERY, STEPHEN (P).....(Q) New York City
Boston University, A.B., 1890; A.M., 1903.
Mathematics.
- ENDELMAN, EDWARD (P).....New York City
College of the City of New York, B.S., 1900.
New York University, A.M., 1903.
Philosophy, Psychology.
- ENGLE, MABEL EDNA.....Hummelstown, Pa.
Lebanon Valley College, A.B., 1904.
English, Mediæval History.
- ERSKINE, HELEN (P).....New York City
Columbia University, A.B., 1904; A.M., 1905.
English.
- FAIRLEY, EDWIN (P).....(Bklyn) New York City
Amherst College, A.B., 1886.
English.
- FARRELLY, GRACE MARIE.....New York City
Columbia University, A.B., 1905.
Mediæval History, Modern European History, Political Economy and Finance.
- FAY, ALBERT HILL.....New York City
Missouri School of Mines, B.S., 1902; E.M., 1905.
Geology, Mineralogy, Mining.
- FEDTER, BRUNO.....New York City
College of the City of New York, A.B., 1903.
Columbia University, A.M., 1905.
Latin, Greek, Germanic.
- FELT, CARL ALPHONSE (P).....Madison, N. J.
Cornell College, Iowa, A.B., 1899.
Sociology and Statistics.
- FERRARI, ROBERT ANTHONY.....New York City
Columbia University, A.B., 1905.
English, Education, Zoology.
- FERRIS, PIERCE PHILIP.....London, Eng.
Columbia University, A.B., 1903.
Harvard University, A.M., 1904.
Philosophy, Psychology, Mathematics.
- FERRIS, RALPH HALL.....New York City
University of Wooster, A.B., 1901.
Union Theological Seminary, B.D., 1904.
Indo-Iranian, Greek.
- FEZANDIE, HECTOR (P).....New York City
Stevens Institute of Technology, Mech.E., 1875.
Mechanics, Physics.

- FIELD, WILLIAM BRADHURST OSGOOD (P).....New York City
Stevens Institute of Technology, Mech.E., 1894.
Botany, Zoology.
- FINNIGAN, JAMES JOSEPH.....New York City
Columbia University, A.B., 1900.
Romance.
- FISH, JOSEPH BURTON.....New York City
College of the City of New York, B.S., 1905.
Zoology, Botany.
- FISH, SAMUEL C.....(Bklyn) New York City
Columbia University, A.B., 1904.
Semitic, Philosophy, Mediæval History.
- FISHEL, LILLIAN HENRIETTA.....Babylon, N. Y.
Wellesley College, A.B., 1890.
Latin, Roman Archæology, Greek Archæology.
- FLEMING, WALLACE B. (P).....Maplewood, N. J.
Muskingum College, A.B., 1894.
Drew Theological Seminary, B.D., 1897.
Semitics, Greek.
- FLEXNER, MARY.....Louisville, Ky.
Bryn Mawr College, A.B., 1895.
Mediæval History, American History, English.
- FLINT, CHARLES WESLEY.....Bayville, N. Y.
Victoria University, Toronto, Canada, A.B., 1900.
Philosophy, Semitics.
- FLOYD, LEROY CONNELL.....Nanticoke, Pa.
Wesleyan University, A.B., 1900.
Mediæval History, Modern European History, Sociology and Statistics, Political Economy and Finance.
- FOCHT, MILDRED (P).....Garden City, N. Y.
Bryn Mawr College, A.B., 1904.
Psychology.
- FONTRIER, MICCO MILTIADES ACHILLES.....Smyrna, Turkey.
Columbia University, A.B., 1905.
Mechanics, Mathematics, Astronomy.
- FORSYTH, MARY LOUISE (P).....New York City
Columbia University, A.B., 1904.
English.
- FOSTER, WALTER EUGENE.....New York City
Williams College, A.B., 1899.
Latin, Roman Archæology, Education.
- FOUCHT, PEARL LEROY.....New York City
Butler College, A.B., 1903.
Political Economy and Finance, American History, Sociology and Statistics.
- FOWLER, SUSAN.....Catonsville, Md.
Bryn Mawr College, A.B., 1895.
Latin.
- FRACHTENBERG, LEO JOACHIM.....New York City
Higher Gymnasium, Austria (equiv. A.B.), 1904.
Germanic, Indo-Iranian.
- FRANK, COLMAN DUDLEY.....Ann Arbor, Mich.
University of Michigan, Ph.B., 1897; A.M., 1902.
Romance, English.
- FRANZEN, BERNARD.....New York City
Orebro College, Sweden, A.B., 1902.
Upsala University, 1903-1905.
Latin, Greek, Roman Archæology.
- FRAZIER, MOSES LOUIS (P).....New York City
Mount Union College, Ph.B., 1896.
New York Law School, LL.B., 1899.
Columbia University, A.M., 1902.
English, French.

- FREIDENRICH, MYRA MILDRED (P).....New York City
University of California, A.B., 1903; A.M., 1905.
Semitics.
- FRIEDLAND, LOUIS SIGMUND (P).....New York City
College of the City of New York, A.B., 1905.
English, Comparative Literature.
- FRIEDMAN, HARRY GEORGE.....Cincinnati, Ohio
University of Cincinnati, A.B., 1904.
Political Economy and Finance, Sociology and Statistics, Constitutional Law.
- FRINK, RALPH MENDENHALL.....Elkhart, Ind.
Wabash College, A.B., 1905.
Political Economy and Finance, Constitutional Law, American History.
- FROEBERG, SVEN (P).....(Bklyn) New York City
Bethany College, A.B., 1903.
Psychology, Philosophy.
- FROST, JACOB MOSES (P).....Przemysl, Austria
K.K. Gymnasium, Austria (equiv. A.B.), 1904.
Germanic, Philosophy.
- FROST, MARY KENNEDY.....New York City
Knox College, A.B., 1901.
Comparative Literature.
- FUESS, CLAUDE MOORE (P).....Waterville, N. Y.
Amherst College, A.B., 1905.
English, Comparative Literature.
- FULD, LEONHARD FELIX.....New York City
Columbia University, A.B., 1903; A.M., 1904; LL.B., 1905.
Administrative Law, Constitutional Law, Oriental History.
- FULDA, LOUISE MARIE.....(Bklyn) New York City
Adelphi College, A.B., 1905.
Germanic, Latin, Roman Archaeology.
- GABRIEL, BASIL RAPHAEL.....Madison, N. J.
Syracuse University, A.B., 1904.
Semitics.
- GALLOWAY, IDA GRAY.....Freeport, Ill.
University of California, Ph.B., 1892.
Ancient History.
- GALWEY, CHARLES.....New York City
New York University, A.B., 1901.
English, Philosophy.
- GARABEDIAN HOHANNES BARKER (P).....New York City
Euphrates College (equiv. A.B.), 1880.
Union Theological Seminary, B.D., 1899.
Philosophy.
- GARDNER, MAY (P).....Lawrence, Kan.
Kansas University, A.B., 1897.
Romance, Modern European History.
- GARVIN, JOSEPH LAUREL.....New York City
Hiram College, A.B., 1900.
Sociology and Statistics, Political Economy and Finance, Medieval History.
- GERE, LOUISA BREWSTER (P).....Fulton, N. Y.
Wellesley College, A.B., 1889.
English.
- GILBERT, JAMES HENRY.....Eugene, Ore.
University of Oregon, A.B., 1903.
Political Economy and Finance, Sociology and Statistics, Political Philosophy.
- GILBERT, MATTHEW WILLIAM (P).....New York City
Colgate University, A.B., 1887.
Semitics.
- GILKEY, CHARLES WHITNEY (P).....Watertown, Mass.
Harvard University, A.B., 1903; A.M., 1904.
Psychology.

- GILMORE, WALTER FRANCIS (P).....Yonkers, N. Y.
St. Francis Xavier College, A.B., 1903.
Social Economy, Sociology and Statistics.
- GLEASON, HENRY ALLAN.....Champaign, Ill.
University of Illinois, B.S., 1901; A.M., 1904.
Botany, Zoology.
- GODFREY, JESSIE T. (P).....Cranford, N. J.
Lafayette College, A.B., 1903.
Mathematics.
- GOLDBERG, SAMUEL ISAAC (P).....New York City
College of the City of New York, B.S., 1904.
Mathematics, Philosophy.
- GOLDFARB, ABRAHAM JULIUS (P).....New York City
College of the City of New York, B.S., 1900.
Zoology, Physiology.
- GOLDMAN, MARCUS ISAAC.....New York City
Harvard University, A.B., 1901; B.S., 1902.
Columbia University, M.E., 1905.
Geology, Palaeontology, Zoology.
- GOLDSMITH, THEODORA (P).....(Bklyn) New York City
Adelphi College, A.B., 1901.
English.
- GOLLOMB, JOSEPH (P).....New York City
College of the City of New York, A.B., 1902.
English.
- GOODALE, HUBERT DANA (P).....Suffield, Conn.
Trinity College, A.B., 1903; A.M., 1904.
Zoology, Botany, Physiology.
- GOODLATTE, AMELIA RICHARDSON.....Passaic, N. J.
Wells College, A.B., 1900.
Botany.
- GOOLD, EDGAR HUNT (P).....Albany, N. Y.
Amherst College, A.B., 1904.
Philosophy.
- GORDON, CLARENCE EVERETT.....Clinton, Mass.
Massachusetts Agricultural College, B.S., 1901.
Boston University, B.S., 1903.
Columbia University, A.M., 1905.
Geology, Palaeontology, Zoology.
- GORMAN, JOHN BERNARD (P).....(Bklyn) New York City
Social Economy.
- GRANT, WILLIS HOWARD (P).....New York City
Harvard University, A.B., 1899.
Botany.
- GRANT, ROSCOE ALLAN.....New York City
Wesleyan University, A.B., 1894; A.M., 1901.
Latin.
- GREEFF, GERHARD ERNEST HUGH.....New York City
Columbia University, A.B., 1905.
English, Germanic, Ancient History.
- GREENBERG, JACOB.....New York City
College of the City of New York, A.B., 1904.
Columbia University, A.M., 1905.
Philosophy, Psychology.
- GREGORY, LOUISE HOYT (P).....Princeton, Mass.
Vassar College, A.B., 1903.
Zoology.
- GRENDON, FELIX.....(Bklyn) New York City
College of the City of New York, B.S., 1900.
Columbia University, A.M., 1902.
English.

- GROMER, SAMUEL DAVID.....Stanberry, Mo.
University of Missouri, B.S., 1883.
Harvard University, A.M., 1905.
American History, Political Philosophy, International Law.
- GRUENBERG, BENJAMIN CHARLES (P).....New York City
University of Minnesota, B.S., 1896.
Columbia University, A.M., 1904.
Botany, Zoology, Physiological Chemistry.
- GUÉBIN, LOUISE (P).....(Bklyn) New York City
Lycée Molière (equiv. A.B.), 1898.
Romance, Education.
- GURLITZ, AMY LANDON.....(Bklyn) New York City
Wellesley College, A.B., 1905.
English, Comparative Literature, Mediæval History.
- HAAS, GEORGE CHRISTIAN OTTO.....New York City
Columbia University, A.B., 1902; A.M., 1903.
Indo-Iranian, Latin.
- HAEPFELIN, FANNY JOSEPHINE.....Mt. Vernon, N. Y.
Columbia University, B.S., 1905.
Germanic.
- HAGEMAN, GEORGE RUSSELL (P).....New York City
Columbia University, A.B., 1905.
Philosophy.
- HAHN, CLARENCE W. (P).....New York City
University of Cincinnati, B.S., 1899.
Trinity College, Conn., M.S., 1901.
Harvard University, A.M., 1903.
Zoology.
- HAINES, CHARLES GROVE (P).....Dover, Pa.
Ursinus College, A.B., 1903.
Columbia University, A.M., 1904.
Constitutional Law, Administrative Law.
- HALL, ELIZABETH.....Media, Pa.
Swarthmore College, A.B., 1905.
Romance, Germanic.
- HALL, FRANCES ESTELLE.....Jersey City, N. J.
Boston University, A.B., 1901.
Latin.
- HALSTED, HARRY HOWARD.....New York City
College of the City of New York, A.B., 1904.
Psychology, Education.
- HANKINS, FRANK HAMILTON (P).....Baldwin, Kan.
Baker University, A.B., 1901.
Sociology and Statistics, Political Economy and Finance.
- HARDIN, MARY ELIZABETH (P).....Newark, N. J.
Elmira College, A.B., 1892.
New York University, A.M., 1900.
English.
- HARDY, ANNA LOW (P).....Sanquoit, N. Y.
Elmira College, A.B., 1893.
Latin.
- HARRISON, EARL STANLEY (P).....(Bklyn) New York City
University of Toronto, A.B., 1894.
Romance.
- HARTMANN, HENRY G.....(Q) New York City
Polytechnic Institute of Brooklyn, A.B., 1900.
Philosophy.
- HARTMANN, JACOB WITTMER.....New York City
College of the City of New York, B.S., 1901.
Germanic.

- HARTWELL, GEORGE WILBER.....Albion, Mich.
Wesleyan University, Ph.B., 1903.
Mathematics, Astronomy, Mechanics.
- HASKELL, JULIANA (Mrs.).....New York City
Columbia University, A.B., 1904; A.M., 1905.
Germanic, Spanish.
- HAUSMANN, GUSTAV N.....New Brunswick, N. J.
Philosophy.
- HAYES, CARLTON HUNTLEY.....Afton, N. Y.
Columbia University, A.B., 1904; A.M., 1905.
Medieval European History, American History, International Law.
- HAYMAN, JACOB (P).....(Bklyn) New York City
Brown University, C.E., 1895.
Philosophy, Social Economy.
- HEALD, EUGENE DE FOREST, Jr.....New York City
Johns Hopkins University, A.B., 1897.
Germanic, Semitic.
- HEEBNER, HARVEY KRAUSS.....Norristown, Pa.
Oberlin College, A.B., 1903.
Sociology and Statistics, Medieval History, Philosophy.
- HEINTZE, RICHARD WILHELM (P).....Hawthorne, N. Y.
Concordia College, A.B., 1887.
Germanic.
- HELLER, WILLIAM ISIDOR.....New York City
College of the City of New York, A.B., 1904.
Romance.
- HENDRICKS, ETHEL (P).....New York City
Columbia University, A.B., 1905.
Latin, French.
- HENRIKSEN, MARTIN EMIL (P).....Columbus, Wis.
Zoology, Botany.
- HENRIQUES, MAURICE COHEN (P).....New York City
College of the City of New York, A.B., 1903.
Mathematics.
- HENRY, JAMES MCCLURE (P).....Canonsburg, Pa.
University of Wooster, A.B., 1901.
Semitic.
- HERMSTAEDT, CONRAD EDMUND (P).....New York City
Moravian College, A.B., 1898; B.D., 1900.
Political Philosophy, Medieval History.
- HERRING, JOHN PEABODY (P).....Providence, R. I.
Brown University, A.B., 1904.
Sociology and Statistics.
- HERSHMAN, ABRAHAM MOSES (P).....New York City
College of the City of New York, A.B., 1904.
Philosophy.
- HEVISH, JOSEPH.....New York City
Philosophy.
- HILL, ROBERT TUDOR.....Lincoln, Neb.
University of Nebraska, A.B., 1903.
Sociology and Statistics, Political Economy and Finance, Constitutional Law.
- HILLER, ROBERT HENRY.....New York City
Wittenberg College, A.B., 1889; A.M., 1892.
Classical Archaeology, Education.
- HIRSCHOWITZ, ABEL.....Frankfort a/m Germany
Beth Hamedrasch (equiv. A.B.), 1903.
Semitics, Philosophy.
- HOCKADAY, ELA (P).....Sherman, Texas
Botany.

- HODGETTS, ABBIE S. (P).....(Bklyn) New York City
Nebraska Wesleyan University, A.B., 1896.
Columbia University, A.M., 1902.
English.
- HODGKINS, GEORGIANA (P).....New York City
University of California, Ph.B., 1902.
English.
- HOFFMAN, JAMES JULIUS (P).....Cleveland, Ohio
Western Reserve University, A.B., 1903.
Philosophy.
- HOMANS, ROCKLAND TYNG (P).....New York City
Social Economy.
- HOOPER, CHARLES THOMAS, JR. (P).....New York City
College of the City of New York, A.B., 1902.
Sociology and Statistics.
- HORTON, BYRON BARNES.....Sheffield, Penn.
Pennsylvania State College, B.S., 1895.
Zoology, Physiology.
- HOWE, WALTER E. (P).....New York City
Anthropology, Philosophy.
- HOYT, CHEEVER.....Walled Lake, Mich.
Michigan State Normal College, A.B., 1904.
Latin, Roman Archaeology, Ancient History.
- HULBERT, GUSTAVUS ADOLPHUS (P).....New York City
Lafayette College, A.B., 1904.
Sociology and Statistics, Philosophy.
- HUMPHREYS, EDWIN WILLIAM (P).....New York City
College of the City of New York, A.B., 1903.
Geology, Education.
- HUNT, ARTHUR PRINCE (P).....New York City
Amherst College, A.B., 1897; A.M., 1902.
Philosophy.
- HUNT, EMELINE KEELER (P).....New York City
Vassar College, A.B., 1880.
Columbia University, A.M., 1904.
English.
- HUNTER, JOHN MERRITT.....Warren, Pa.
Harvard University, A.B., 1904.
Social Economy, Sociology and Statistics, Mediæval History.
- HURLBUT, STEPHEN AUGUSTUS.....New York City
University of Wisconsin, A.M., 1902.
Greek.
- HUSSAKOF, LOUIS.....New York City
College of the City of New York, B.S., 1900.
Geology.
- HUTCHINSON, EMILIE JOSEPHINE.....(Bklyn) New York City
Columbia University, A.B., 1905.
Political Economy and Finance, Sociology and Statistics, Physiology.
- HUTTMANN, MAUDE ALINE (P).....New York City
Columbia University, B.S., 1904; A.M., 1905.
Mediæval History.
- HWANG, YUNG LIANG (P).....Nanking, China
Baker University, A.B., 1904.
Sociology and Statistics.
- IBA, KAN ICHI (P).....Osaka, Japan
Sociology and Statistics, Political Economy and Finance.
- IGLEHART, CHARLES WHEELER (P).....Madison, N. J.
Columbia University, A.B., 1902.
Sociology and Statistics.

- INGRAHAM, EDWARD ANDREW.....(Bklyn) New York City
Wesleyan University, A.B., 1902.
Columbia University, A.M., 1905.
English, Modern European History.
- INGRAHAM, OLIN.....(Bklyn) New York City
Wesleyan University, A.B., 1904.
Columbia University, A.M., 1905.
Political Economy and Finance, Sociology and Statistics, Psychology.
- IRVING, LOUISE HENDERSON.....(R) New York City
Smith College, B.L., 1902.
Modern European History, American History.
- ISHIBASHI, MAGOICHI (P).....Nagasaki, Japan
Chemistry.
- ISHIKAWA, WASUKE (P).....Tokio, Japan
Sociology, Education.
- ISHIKAWA, YOSHIMASA.....Tokio, Japan
Tetsu Gakkwan, Japan (equiv. A.B.), 1895.
Political Economy and Finance.
- ISHIMURA, SEIICHI (P).....Tokio, Japan
Keioijikku University, Tokio, Japan (equiv. A.B.), 1896.
Constitutional Law, International Law.
- JACOBS, LEO (P).....New York City
College of the City of New York, A.B., 1900.
Columbia University, A.M., 1905.
Philosophy.
- JACOBS, PHILIP PETER.....Binghamton, N. Y.
Syracuse University, A.B., 1903.
Sociology and Statistics, Social Economy.
- JACOBSTEIN, MEYER.....New York City
Columbia University, A.B., 1904; A.M., 1905.
Political Economy and Finance, Sociology and Statistics, Modern European History.
- JENNINGS, CORINNE M.....Rochester, N. Y.
St. Elizabeth College, A.B., 1905.
Mechanics, Education.
- JOFFE, JOSHUA A.....New York City
Gymnasium Berlin, Germany (equiv. A.B.), 1888.
Philosophy.
- JOHNSON, EDITH HENRY (Mrs.).....New York City
University of Nebraska, A.B., 1898; A.M., 1900.
Radcliffe College, A.M., 1902.
Philosophy.
- JONES, ELMER B.....Farmville, Va.
Monmouth College, B.S., 1894.
University of Colorado, A.M., 1901.
Philosophy, Education, Psychology.
- JONES, RUFUS HORTON.....Portland, Me.
Haverford College, A.B., 1899.
Philosophy, Medieval History.
- JOSHI, SAMUEL LUCAS (P).....Roselle Park, N. J.
Madras University, A.B., 1896.
Columbia University, A.M., 1905.
Political Economy and Finance, Ancient History, Sociology and Statistics.
- JOUARD, FAREL L. (P).....New York City
Columbia University, A.B., 1904.
Chemistry, Physics.
- KAVANAGH, MAY IRENE (P).....(Q) New York City
Vassar College, A.B., 1905.
English, Education.
- KAWAI, KAMASUKA (P).....Formosa, Japan
Meiji Gakwin, Japan (equiv. A.B.), 1890.
Philosophy, Ancient History.

- KEEP, AUSTIN BAXTER.....New York City
Amherst College, A.B., 1897; A.M., 1901.
American History.
- KELLER, ELEANOR I.....New York City
College of the City of New York, A.M., 1903.
Education, Anthropology.
- KELLINGTON, HERBERT EDGAR.....Howells, N. Y.
Toronto University, A.B., 1900; A.M., 1903.
Social Economy, Sociology and Statistics.
- KELLOGG, PAUL UNDERWOOD.....New York City
Sociology and Statistics, Social Economy.
- KELLS, LUCAS CARLISLE (P).....Sauk Centre, Minn.
University of Minnesota, A.M., 1905.
Philosophy, Psychology.
- KEMP, WILLIAM CULLEN BRYANT (P).....New York City
Columbia University, LL.B., 1896; A.B., 1900; A.M., 1901; LL.M., 1901.
International Law.
- KENNEDY, ANNA JOSEPHINE (P).....(Bklyn) New York City
Columbia University, A.B., 1905.
American History.
- KENNEDY, MARY STEWART.....New York City
Adelphi College, A.B., 1901.
Columbia University, A.M., 1902.
New York University, Pd.D., 1902.
Comparative Literature.
- KEPPLER, EMIL ALEXANDER CHARLES.....New York City
Columbia University, Ph.B., 1895; A.M., 1897.
Germanic.
- KERN, ROBERT RUSS.....Kansas City, Mo.
University of Missouri, A.B., 1905.
Philosophy, Sociology and Statistics, Political Economy and Finance.
- KING, ADOLPH (P).....New York City
Semitics.
- KINGSBURY, JOSEPH WALDO.....Salt Lake City, Utah
University of Utah, B.S., 1903.
Geology, Mining.
- KLABER, WILLIAM.....New York City
Columbia University, A.B., 1905.
Chemistry, Electrical Engineering.
- KLEIN, DAVID (P).....New York City
College of the City of New York, A.B., 1902.
Columbia University, A.M., 1904.
English, Germanic.
- KNAUFF, GRANT (P).....Cleveland, Tenn.
Columbia University, A.B., 1904; A.M., 1905.
Semitics, Mediæval History, Philosophy.
- KNICKERBOCKER, WILLIAM EDWIN (P).....New York City
College of the City of New York, A.B., 1904.
Romance.
- KNIGHT, CYRIL WORKMAN.....Kingston, Ont., Canada
Queens University, Canada, B.S., 1903.
Geology, Metallurgy.
- KNOX, JAXON (P).....New York City
Social Economy, English.
- KOENIG, NICHOLAS AUGUST.....New York City
Columbia University, A.B., 1903; A.M., 1904.
Semitics, Philosophy.
- KOHN, LUCILE.....New York City
Columbia University, A.B., 1903; A.M., 1905.
Greek, Latin, Indo-Iranian.

- KONG, SHUN TET.....Canton, China
University of California, B.S., 1905.
Mining, Metallurgy.
- KOVAR, ABRAHAM.....New York City
College of the City of New York, B.S., 1901.
Columbia University, A.M., 1903.
English, Comparative Literature.
- KRAETZER, EDGAR RAYMOND.....New York City
Columbia University, A.B., 1903.
English, Comparative Literature.
- KROEBER, ELSBETH (P).....New York City
Columbia University, A.B., 1903.
Zoology.
- KROEBER, JOHANNA (P).....New York City
Bryn Mawr College, A.B., 1900.
Zoology.
- KUNZ, KATHARINE ANNA.....Munich, Germany
Columbia University, B.S., 1905.
Romance, Germanic.
- KUPFER, ELSIE (P).....New York City
Columbia University, A.B., 1899; A.M., 1901.
Botany, Physiology.
- KUWASHIMA, HISAO.....Tokio, Japan
First Koto Gakko, Tokio (equiv. A.B.), 1901.
Political Economy and Finance, Sociology and Statistics, International Law.
- LAFFER, OSCAR (P).....New York City
College of the City of New York, A.B., 1904.
Latin, Education.
- LAKE, HENRIETTA.....New York City
St. Lawrence University, B.S., 1886.
Sociology and Statistics.
- LAMB, EDWIN GIFFORD.....New York City
Leland Stanford, Jr., University, A.B., 1904.
Sociology and Statistics, Political Economy and Finance, Philosophy.
- LANGFORD, GRACE.....Wellesley, Mass.
Massachusetts Institute of Technology, B.S., 1900.
Physics, Mathematics, Mechanics.
- LATHROP, SUSAN ADELE (P).....New York City
University of Nebraska, A.B., 1904.
Columbia University, A.M., 1905.
English.
- LEARY, RUSSEL W. (P).....Elizabeth, N. J.
Rutgers College, A.B., 1902; A.M., 1905.
English, Modern European History.
- LEE, JOSEPH BOLLING.....New York City
College of the City of New York, A.B., 1904.
Mathematics, Psychology, Education.
- LEHMAN, EUGENE H.....Pueblo, Colo.
Yale University, A.B., 1902.
Semitics, Philosophy.
- LEIPER, MACON ANDERSON.....Malvern, Ark.
University of Nashville, A.B., 1901.
Columbia University, A.M., 1905.
Latin, Greek, Ancient History.
- LELAND, ABBY PORTER.....Mechanicsville, N. Y.
Columbia University, A.B., 1905.
Philosophy, Medieval History.
- LESTER, CAROLINE FOOTE.....Seneca Falls, N. Y.
Columbia University, B.S., 1903.
Medieval History.

- LESTER, J. DURWOOD (P).....Lacona, N. Y.
Syracuse University, A.B., 1900.
American History.
- LEVY, HENRY ALFRED (P).....(Br) New York City
College of the City of New York, A.B., 1900.
Mathematics, Mechanics.
- LEWIS, ALBERT BUELL.....Santa Ana, Cal.
University of Chicago, A.B., 1894.
Anthropology.
- LEWIS, JOSEPH VOLNEY (P).....New Brunswick, N. J.
Harvard University, B.S., 1893.
Geology.
- LEWIS, SARAH.....St. Paul, Minn.
University of Minnesota, A.B., 1902.
English, Philosophy, Education.
- LINCOLN, FRANCIS CHURCH.....Arizona
Massachusetts Institute of Technology, B.S., 1900.
New Mexico School of Mines, E.M., 1903.
Geology, Mineralogy, Palæontology.
- LINDSTROM, CARL FREDRIK (P).....China
Sociology and Statistics.
- LINEHAN, PAUL HENRY (P).....New York City
Harvard University, A.B., 1902.
Mathematics.
- LINGLEY, CHARLES RAMSDELL.....Worcester, Mass.
Worcester Polytechnic Institute, B.S., 1900.
Columbia University, A.M., 1905.
American History, Modern European History, Philosophy.
- LIPKE, JOSEPH.....(Br) New York City
Columbia University, B.S., 1905.
Mathematics, Mechanics, Astronomy.
- LIVINGSTON, ALBERT ARTHUR.....Attleboro, Mass
Amherst College, A.B., 1904.
Romance, English.
- LOEW, FREDERICKA.....New York City
Columbia University, A.B., 1905.
Germanic.
- LOOMIS, JEAN HERRING (P).....New York City
Columbia University, A.B., 1904.
Philosophy.
- LOSEE, FRANK IRA (P).....Fergusonville, N. Y.
Union College, Ph.B., 1905.
Ancient History.
- LOSHE, LILLIE DEMING.....Stamford, Conn.
Bryn Mawr College, A.B., 1899.
Columbia University, A.M., 1903.
English.
- LOWD, EMMA F. (P).....Salem, Mass.
Boston University, A.B., 1887.
English.
- LOWIE, ROBERT HARRY.....New York City
College of the City of New York, A.B., 1901.
Anthropology, Psychology.
- LUBLIN, CURTIS.....New York City
Columbia University, A.B., 1905.
English, Comparative Literature.
- LUCAS, EDMUND DeLONG.....New York City
University of Wooster, A.B., 1903.
English.

- LYNNE, MAY.....Pittsburg, Pa.
Cambridge University, England (equiv. A.B.), 1802.
Medieval History, Modern European History, Comparative Literature.
- LYON, HENRY STUART (P).....Newark, N. J.
New York University, A.B., 1902.
Political Economy and Finance.
- LYONS, ALEXANDER.....(Bklyn) New York City
University of Cincinnati, B.L., 1891.
Columbia University, A.M., 1905.
Sociology and Statistics, Philosophy.
- MCBAIN, HOWARD LEE.....Richmond, Va.
Richmond College, A.B., 1900; A.M., 1901.
Columbia University, A.M., 1905.
Constitutional Law, International Law, Political Economy and Finance.
- MCCARY, THOMAS FRANKLIN.....Bluefield, W. Va.
Vanderbilt University (equiv. A.B.), 1901.
Constitutional Law, Administrative Law.
- MCCLARY, MAUD EMILY.....Malone, N. Y.
Wellesley College, A.B., 1899.
Latin, Roman Archaeology, Greek.
- MCCLELLAND, GEORGE WILLIAM (P).....Dobbs Ferry, N. Y.
University of Pennsylvania, A.B., 1903.
English.
- MCCLEMENT, THOMAS BULLINGER (P).....Ireland
Philosophy, Education, Anthropology.
- MCCOOK, JANETTA ALEXANDER.....New York City
Columbia University, A.B., 1902; A.M., 1903.
Philosophy.
- MCDOWELL, PAULINE (P).....Newark, N. J.
Wellesley College, A.B., 1896.
Chemistry.
- MCFALL, JOHN MONTEITH.....Charleston, S. C.
College of Charleston, A.B., 1904.
Latin, Education, Ancient History.
- McGOVNEY, DUDLEY ODELL.....Bloomington, Ind.
Indiana University, A.B., 1901.
Harvard University, A.M., 1904.
International Law, Constitutional Law.
- McKIM, CHRISTINE LOUISE (P).....Yonkers, N. Y.
Columbia University, A.B., 1901.
Sociology and Statistics.
- McKIM, JOHN COLE.....New York City
Kenyon College, A.B., 1904.
Chinese, Semitics, Medieval History.
- McLAURY, CHARLES HENRY.....Deposit, N. Y.
Syracuse University, A.B., 1900; A.M., 1902.
Latin, Greek.
- McNEELY, ELIZABETH (P).....Carleton Place, Ontario, Can.
University College, Toronto, A.B., 1896.
Medieval History.
- MACDONALD, ETHEL.....Ashtabula, Ohio
Western Reserve University, A.B., 1903.
Classical Archaeology, Greek, Latin.
- MACLEAR, ANNE BRESH.....Wilmington, Del.
Columbia University, B.S., 1901; A.M., 1902.
American History.
- MACKENZIE, CAMERON.....Dobbs Ferry, N. Y.
International Law, English.
- MACKIN, PATRICK F. (P).....Yonkers, N. Y.
St. Francis Xavier College, A.B., 1903.
Social Economy, Sociology and Statistics.

- MANFRED, MAUD ETHEL.....(Bklyn) New York City
Cornell University, A.B., 1900.
Germanic, Education.
- MANN, KRISTINE.....Orange, N. J.
Smith College, A.B., 1895.
University of Michigan, A.M., 1901.
Philosophy, English.
- MARTIN, AMY NELSON (P).....Englewood, N. J.
Boston University, A.B., 1904.
Ancient History.
- MASLAND, MARY ELIZABETH (P).....Germantown, Pa.
Bryn Mawr College, A.B., 1901.
English.
- MASON, JOHN ANGUS CAMPBELL.....Stratford, Canada
University of Toronto, A.B., 1905.
Modern European History, Mediæval History, Constitutional Law.
- MASSEE, W. WELLINGTON.....New York City
University of Minnesota, Litt.B., 1901.
English.
- MAYO, MARION JACOB.....Prestonsburg, Ky.
National Normal University, A.B., 1894.
New York University, Pd.D., 1903; A.M., 1904.
Sociology and Statistics.
- MEAD, CHARLES LEARING.....Columbus, Ohio
Ohio State University, B.S., 1904.
Zoology, Anatomy.
- MEAD, NELSON PRENTISS.....New York City
College of the City of New York, B.S., 1899.
Columbia University, A.M., 1903.
Constitutional Law.
- MELICK, ANNA COLE (P).....New York City
Columbia University, A.B., 1896.
Latin.
- MENDELSON, CHARLES JASTROW.....New York City
University of Pennsylvania, A.B., 1900; Ph.D., 1904.
Latin.
- MERCHANT, ELY OTHMAN.....Boston, Mass.
Amherst College, A.B., 1904.
Political Economy and Finance, Sociology and Statistics, Constitutional Law.
- METZENTHIN, WALDEMAR ERIC (P).....Steelton, Pa.
Franklin and Marshall College, A.B., 1899.
Columbia University, A.M., 1905.
Germanic, English.
- MEYER, MARTIN A.....Albany, N. Y.
University of Cincinnati, A.B., 1899.
Hebrew Union College, B.D., 1901.
Semitics.
- MILLER, BARNETTE.....Columbia, S. C.
Columbia University, A.B., 1902; A.M., 1903.
English.
- MILLS, JOSEPH STRAYER (P).....New York City
Western Maryland College, A.B., 1890; A.M., 1893.
Physics.
- MINOR, MAUDE EMMA.....(Q) New York City
Smith College, A.B., 1901.
Social Economy, Sociology and Statistics, American History.
- MITCHELL, JULIA POST.....Philadelphia, Pa.
Smith College, B.L., 1901.
Columbia University, A.M., 1904.
English, Comparative Literature.

- MOELLER, PHILIP (P).....New York City
Columbia University, A.B., 1904; A.M., 1905.
English, Comparative Literature.
- MONTGOMERY, GEORGINA GARDINER.....Holyoke, Mass.
Smith College, B.L., 1899.
Romance, Modern European History.
- MOORE, JUSTIN HARTLEY.....New York City
College of the City of New York, A.B., 1903.
Columbia University, A.M., 1904.
Indo-Iranian, Greek.
- MORGAN, EDWARD (P).....San Francisco, Cal.
Social Economy.
- MORGENTHAU, HELEN (P).....New York City
Vassar College, A.M., 1905.
Germanic, Romance.
- MORGULIS, SHABSA.....Russia
Gymnasium of Ananieff (equiv. A.B.), 1904.
Zoology, Physiology.
- MORREY, WILLIAM THOMAS.....New York City
Ohio State University, A.B., 1888.
New York University, A.M., 1893.
American History.
- MORRILL, CHARLES V.....New York City
College of the City of New York, A.B., 1903.
Zoology, Physiology, Botany.
- MORSE, LEIGHTON B.....Grinnell, Iowa
Iowa College, Ph.B., 1903.
Physics, Mechanics.
- MOSES, JOSEPH.....New York City
University of Cincinnati, A.B., 1894.
Germanic, Medieval History.
- MOTT, ISABELLE (P).....New York City
Columbia University, A.B., 1905.
English.
- MULLEN, LORING BLANCHARD.....Yonkers, N. Y.
University of Wooster, Ph.D., 1898.
Mathematics, Mechanics, Education.
- MURRAY, BENJAMIN LINDLEY.....New York City
University of Michigan, B.S., 1896.
Columbia University, A.M., 1905.
Chemistry, Philosophy.
- MURTFELDT, FRANK W. (P).....New York City
Harvard University, A.B., 1905.
English.
- MYERS, CHARLES HAVEN (P).....Madison, N. J.
Iowa Wesleyan University, A.B., 1902.
English.
- MYERS, WILLARD LAWRENCE.....New York City
College of the City of New York, A.B., 1903.
Columbia University, A.M., 1904.
English, Comparative Literature.
- NAMMACK, ELIZABETH FRANCES.....New Rochelle, N. Y.
Columbia University, A.B., 1895; A.M., 1896.
Latin, Roman Archaeology.
- NASON, ARTHUR HUNTINGTON.....Augusta, Me.
Bowdoin College, A.B., 1899; A.M., 1903.
English.
- NELSON, JOHN MAURICE.....Oakland, Neb.
University of Nebraska, B.S., 1901.
Chemistry, Physics.

- NESBIT, WILLIAM MARSIGLIA (P) New York City
 Columbia University, A.B., 1902.
 Drew Theological Seminary, B.D., 1905.
Sociology and Statistics, Semitics.
- NEUMANN, HENRY (P) New York City
 College of the City of New York, A.B., 1900.
 New York University, A.M., 1903.
English.
- NEWCOMER, HARVEY Yonkers, N. Y.
 Franklin and Marshall College, A.B., 1892; A.M., 1895.
Physics.
- NICHOLS, CLARENCE Yonkers, N. Y.
 Columbia University, A.B., 1905.
Germanic, Latin.
- NIFENECKER, EUGENE ALEXANDER New York City
 College of the City of New York, A.B., 1901.
American History, Education.
- NISSENSON, SAMUEL GEORGE New York City
 College of the City of New York, A.B., 1904.
 Columbia University, A.M., 1905.
American History, Medieval History, International Law.
- NOLAN, JOHN H. (P) New York City
 Dartmouth College, A.B., 1904.
Philosophy.
- OGDEN, CHARLES JONES New York City
 Columbia University, A.B., 1900; LL.B., 1903; A.M., 1905.
Greek, Latin, Sanskrit.
- OGILBY, REMSEN BRINCKERHOFF (P) Jamaica Plain, Mass.
 Harvard University, A.B., 1902.
Social Economy.
- OSBURN, RAYMOND CARROLL (P) New York City
 Ohio State University, B.S., 1898; M.S., 1900.
Zoology.
- OTIS, WILLIAM BRADLEY New York City
 Iowa College, A.B., 1901.
 Columbia University, A.M., 1904.
English.
- PACK, FRED JAMES Woods Cross, Utah
 University of Utah, B.S., 1904.
 Columbia University, A.M., 1905.
Geology, Palæontology, Zoology.
- PALLISER, HELEN LETITIA (Bklyn) New York City
 Columbia University, A.B., 1905.
Botany, Physiology.
- PANARONI, ALFRED GEORGE New York City
 College of the City of New York, B.S., 1902.
Romance.
- PARMELEE, MAURICE FARR (P) New York City
 Yale University, A.B., 1904.
Political Economy and Finance, Sociology and Statistics.
- PARSONS, PHILIP ARCHIE Plainfield, N. J.
 Christian University, Mo., A.B., 1904; A.M., 1905.
Sociology and Statistics, Political Economy and Finance.
- PATCH, HARRIET ELIZA (P) East Gloucester, Mass.
 Smith College, B.L., 1897.
Comparative Literature, English.
- PENNDORF, LUDWIG MAX Plauen, Germany
 Lehrer Seminar, Plauen, Germany (equiv. A.B.), 1904.
English, Education.
- PERCIVAL HAROLD SPENCER Corning, Cal.
 Leland Stanford, Jr., University, A.B., 1903.
Philosophy, Sociology and Statistics.

- PERRIER, JOSEPH LOUIS.....New York City
St. Francis Xavier College, A.M., 1905.
Philosophy, French.
- PERRIN, ERNEST NOËL.....New York City
College of the City of New York, A.B., 1879.
Harvard University, A.B., 1882.
Columbia University, LL.B., 1885.
Romance.
- PHILP, MARY I. (P).....Chateaugay, N. Y.
Syracuse University, Ph.B., 1901.
English.
- PHIPPS, CHARLES BELDING.....(Q) New York City
Colgate University, B.S., 1901.
Chemistry, Geology.
- PLETCHER, NUBA MITCHELL.....Rochester, Ind.
University of Illinois, A.B., 1901; A.M., 1903.
Modern European History, American History, International Law, Political Economy and Finance.
- POOL, ETHEL MANTER.....New York City
Columbia University, A.B., 1903; A.M., 1905.
Greek Archaeology.
- PORTERFIELD, ALLEN WILSON.....Bedington, W. Va.
West Virginia University, A.B., 1899; A.M., 1901.
Germanic, English.
- POWELL, H. WHEELER (P).....New York City
College of the City of New York, B.S., 1883.
Mathematics.
- POWERS, LORIN C.....Washington, D. C.
Tufts College, A.B., 1905.
Political Economy and Finance.
- PRESTON, THOMAS JAMES.....Jefferson, Texas
Trinity University, Texas, A.B., 1893; A.M., 1898.
Cumberland University, B.D., 1895.
Chinese.
- QUIGLEY, SARAH RUTH.....Iowa City, Iowa
Iowa State University, Ph.B., 1902; A.M., 1903.
English, Comparative Literature.
- QUACKENBOS, GEORGE PAYN.....New York City
Columbia University, A.B., 1900; A.M., 1901.
Latin, Sanskrit.
- RABINOVITCH, ISRAEL EUCLID (P).....New York City
Johns Hopkins University, Ph.D., 1901.
Astronomy.
- RABINOWITZ, ELIAS NATHAN.....Philadelphia, Pa.
Haverford College, A.B., 1903.
Semitics, Sociology and Statistics, Political Economy and Finance.
- RADIN, MAX.....New York City
College of the City of New York, A.B., 1899.
New York University, LL.B., 1902.
Classical Archaeology, Latin.
- RASCHEN, JOHN FREDERICK LOUIS (P).....Easton, Pa.
German Wallace College, A.B., 1895.
Nast Theological Seminary, B.D., 1898.
Germanic.
- REBER, JOHN.....New York City
Seton Hall College, A.B., 1903.
Germanic, English.
- REDDING, HELEN EDMUNDS (P).....(Bklyn) New York City
Adelphi College, A.B., 1901.
Latin, Roman Archaeology.

- REITLINGER, BLANCHE HORTENSE New York City
Columbia University, A.B., 1905.
Comparative Literature, Mediæval History, Romance.
- RENNERT, ROSINA JULIA New York City
Columbia University, A.B., 1901; A.M., 1902.
Botany, Physiology.
- REY, OTTO HENRY (Bklyn) New York City
German Wallace College, A.B., 1901.
Philosophy, Education.
- RIBLET, MARY VARIAN (P) New York City
Columbia University, B.S., 1903; A.M., 1905.
English.
- RICE, MARY VIRGINIA Dallas, Texas
University of Texas, A.B., 1905.
English, Latin.
- RICHARDSON, BERTHA (P) (Bklyn) New York City
Vassar College, A.B., 1899.
Social Economy.
- RITTER, ALICE EMILY BORGFELDT (Mrs.) (P) (Bklyn) New York City
Adelphi College, A.B., 1904.
English.
- ROBERTS, JOHN E. Madison, N. J.
Allegheny College, A.B., 1900.
English.
- ROBINSON, BENJAMIN WILLARD (P) Chicago, Ill.
University of Chicago, A.B., 1901; Ph.D., 1904.
Semitics.
- ROBINSON, CHARLES BUDD Pictou, Nova Scotia, Canada
Dalhousie College, A.B., 1891.
Botany.
- ROBINSON, GRACE DEAN (P) Roseland, N. J.
Elmira College, A.B., 1902.
English.
- RODMAN, BAYARD BLACKWELL (Q) New York City
Columbia University, A.B., 1903.
Chemistry.
- RODMAN, HENRIETTA (Q) New York City
Columbia University, B.S., 1903.
Social Economy, Sociology and Statistics, English.
- ROELKEY, DAVID ERNEST (P) (Bklyn) New York City
St. John's College, A.B., 1905.
Physiology.
- ROGERS, MARIA ADAMS (P) Portland, Me.
Smith College, B.L., 1892.
English.
- ROOME, WILLIAM HARRIS (P) New York City
Columbia University, A.B., 1880; LL.B., 1882.
English, French.
- ROSENBLATT, MAX New York City
University of Berlin (equiv. A.B.), 1903.
Germanic, Education.
- ROSS, JOHN GILMORE Morgantown, W. Va.
West Virginia University, A.B., 1901; B.S., C.E., 1902.
Mining, Chemistry.
- ROSS, OLIVE CARTER Fairmont, W. Va.
Peabody Normal College, A.B., 1889; A.M., 1890.
English, Education.
- ROYCE, SARAH GRACE (P) West Woodstock, Vt.
Smith College, A.B., 1890.
Columbia University, A.M., 1902.
Greek, Latin.

- RUNZLER, WILLIAM THEODORE.....New York City
University of Wisconsin, A.B., 1903; Harvard University, A.M., 1905.
Classical Archæology, Latin, Greek.
- SACON, YOSHI-SUKE SAMUEL (P).....Tokio, Japan
Semitics, German.
- SAKAKIBARA, WATARU (Rev.) (P).....Chiba, Japan
Philosophy, Sociology and Statistics, Social Economy.
- SAPIR, EDWARD.....New York City
Columbia University, A.B., 1904; A.M., 1905.
Linguistics, Anthropology, Germanic.
- SATOW, WALTER (P).....Tokio, Japan
International Law, Economics, Constitutional Law.
- SAUNDERS, CATHARINE.....Belfast, N. Y.
Elmira College, A.B., 1891.
Latin, Greek, Roman Archæology.
- SAXE, BERNHARD DAVID.....New York City
College of the City of New York, B.S., 1899.
Columbia University, A.M., 1903.
Philosophy, Psychology.
- SCHAPIRO, JACOB SALWYN.....New York City
College of the City of New York, A.B., 1904.
Mediæval History, Constitutional Law, Modern European History.
- SCHELLITZER, MAX (P).....New York City
College of the City of New York, A.B., 1904.
English.
- SCHLOSBERG, SAMUEL.....New York City
College of the City of New York, A.B., 1900.
Education.
- SCHLOSSBERG, JOSEPH (P).....(Br) New York City
Political Economy and Finance, Sociology and Statistics, Political Philosophy.
- SCHODTS, LILY MARGARET (P).....New York City
Latin.
- SCHOTTENFELS, IDA MAY (P).....Chicago, Ill.
Northwestern University, A.B., 1892.
Chicago University, A.M., 1895.
Mathematics, Astronomy.
- SCHOTTLAND, JOSEPH.....New York City
College of the City of New York, A.B., 1904.
Philosophy, Psychology, Education.
- SCHULER, JOHN.....Mt. Vernon, N. Y.
German Wallace College, A.B., 1891.
Germanic.
- SCHULZE, HENRY HERMANN.....Yonkers, N. Y.
College of the City of New York, A.B., 1903.
Columbia University, A.M., 1905.
Germanic, English.
- SCHUYLER, ELMER (P).....(Bklyn) New York City
Lafayette College, B.S., 1897; M.S., 1900.
Mathematics.
- SCOTT, ANDREW EDWARD (P).....Somerville, Mass.
Harvard University, A.B., 1902.
Semitics, Mediæval History.
- SCOTT, MARY GERTRUDE.....Westerville, Ohio
Otterbein University, A.B., 1899.
Latin, Roman Archæology, English.
- SEAMAN, EMILY C.....(Bklyn) New York City
Adelphi College, B.S., 1899.
Physics, Chemistry.
- SEATON, GRACE MARIA (P).....(Q) New York City
English, Social Economy.

- SEIL, HARVEY AMBROSE (P).....Perth Amboy, N. J.
Columbia University, A.B., 1903.
Chemistry, Education.
- SELVAGE, WATSON BARTEMUS (P).....New York City
Cornell University, A.B., 1902.
University of Pennsylvania, A.M., 1904.
English.
- SEYMOUR, ARTHUR T.....Orange, N. J.
Cornell University, B.S., 1892.
Physics, Education.
- SHAINWALD, RALPH LOUIS, JR.....New York City
Columbia University, A.B., 1903.
Chemistry.
- SHAMEL, CHARLES H.....Taylorville, Ill.
University of Illinois, B.S., 1890; M.S., 1891.
University of Michigan, LL.B., 1893.
Columbia University, A.M., 1905.
Geology, Metallurgy.
- SHELANDER, ASAPH ROBERT.....Whitehall, Mich.
Augustana College, A.B., 1899.
Philosophy, Psychology.
- SHEPARD, CHARLES NORMAN (P).....New York City
Trinity College, A.B., 1891; A.M., 1894.
General Theological Seminary, B.D., 1895.
Semitics.
- SHEPHERD, ROBERT LINCOLN.....Marshall, Mo.
Missouri Valley College, A.B., 1897.
Sociology and Statistics, Political Economy and Finance, Philosophy.
- SHERMAN, LUCY FIDELIA.....Peekskill, N. Y.
Columbia University, A.B., 1903.
Greek Archaeology.
- SHERMAN, RICHARD ELI.....Independence, Mo.
Missouri Valley College, A.B., 1900.
Cumberland Presbyterian Theological Seminary, B.D., 1903.
Sociology, Social Economy.
- SICELOFF, LEWIS PARKER (P).....Fayette, Mo.
Central College, A.B., 1900.
Mathematics.
- SILLS, KENNETH CHARLES.....Geneva, N. Y.
Bowdoin College, A.B., 1901.
Harvard University, A.M., 1903.
Comparative Literature, Romance.
- SINCLAIR, HARRY MANSON.....Toronto, Canada
University of Toronto, A.B., 1900; A.M., 1903; LL.B., 1905.
Constitutional Law, International Law, Modern European History.
- SISK, BENJAMIN FRANKLIN.....Austin, Texas
University of Texas, B.S., 1905.
English, Education.
- SITTERLY, ERWIN FRANKLIN.....Madison, N. J.
Southwest Kansas University, A.B., 1903.
English.
- SKINNER, ADA MARIA (P).....New York City
Columbia University, B.S., 1902.
English.
- SMITH, ANNA HEMENS.....Collamer, N. Y.
Syracuse University, A.B., 1880.
Radcliffe College, A.M., 1898.
English.
- SMITH, CHARLES STEPHENSON.....New York City
State University of Iowa, A.B., 1897.
English.

- SMITH, FRANCES ALBEE (P).....(Bklyn) New York City
Vassar College, A.B., 1895.
Medieval History.
- SMITH, HERBERT HUBNER.....Cedar Rapids, Iowa
Coe College, A.B., 1905.
*Sociology and Statistics, Political Economy and Finance, Social Economy,
Constitutional Law.*
- SMITH, JOSEPH (P).....Newton, Mass.
Harvard University, A.B., 1901.
Romance, Germanic.
- SMITH, LUCY ELIZABETH (P).....Albany, N. Y.
Woman's College of Baltimore, A.B., 1896.
Romance, Philology.
- SMITH, MARGUERITE (P).....(Bklyn) New York City
Vassar College, A.B., 1903.
English, Education.
- SMITH, MARY KATHERINE (P).....Elmira, N. Y.
Elmira College, A.B., 1895.
English.
- SNIDER, GUY EDWARD (P).....New York City
University of Wisconsin, B.L., 1901.
University of Missouri, A.M., 1902.
Political Economy and Finance, Sociology and Statistics.
- SNOWDEN, ALICE EDDY.....New York City
Michigan State Normal College, A.B., 1904.
Latin.
- SPECK, FRANK G.....Hackensack, N. J.
Columbia University, A.B., 1904; A.M., 1905.
Anthropology, Semitics.
- STABER, HILDA LOUISE (P).....(Bklyn) New York City
Columbia University, A.B., 1905.
English.
- STABER, MAUD JOHANNA (P).....(Bklyn) New York City
Columbia University, B.S., 1901.
Botany, Zoology.
- STAIR, BIRD WILLIAM.....Buck Creek, Ind.
Purdue University, B.S., 1899; M.S., 1901.
English, Comparative Literature.
- STAPLER, MARTHA GAUSE.....Pelham Manor, N. Y.
Bryn Mawr College, A.B., 1905.
Philosophy, Medieval History.
- STARR, FREDERICK.....New York City
College of the City of New York, B.S., 1899.
Romance, Germanic.
- STEARNS, STELLA BURGER.....Duluth, Minn.
University of Minnesota, A.B., 1892.
English, Comparative Literature.
- STEPANEK, BEATRICE.....Mt. Vernon, N. Y.
Wellesley College, A.B., 1895; A.M., 1902.
Greek, Latin.
- STEPHENS, JULIA W.....New York City
Vassar College, A.B., 1893.
Latin.
- STEWART, MAUDE GERTRUDE.....Northfield, Minn.
Carleton College, B.L., 1888.
Mechanics.
- STOCKARD, CHARLES RUPERT (P).....Columbus, Miss.
Mississippi A. and M. College, B.S., 1899; M.S., 1902.
Zoology.

- STONE, CLAUDE MORTIMER.....Mt. Vernon, N.Y.
Colgate University, A.B., 1904.
English.
- STONE, ISABELLE (P).....Poughkeepsie, N. Y.
Wellesley College, A.B., 1890.
University of Chicago, M.S., 1896; Ph.D., 1897.
Physics.
- STONE, MARGARET HOLMES (P).....New York City
Columbia University, A.B., 1904.
Botany.
- STRAIGHT, GRACE CLARK (P).....Bradford, Pa.
Vassar College, A.B., 1897.
American History.
- STRECKER, CHARLES LLOYD (P).....Madison, N. J.
German Wallace College, Ph.B., 1904.
Sociology and Statistics.
- SULLIVAN, JOSEPH.....Paterson, N. J.
University of Rochester, A.B., 1892.
Roman Law and Comparative Jurisprudence, International Law.
- SUNNE, DAGNY GUNHILDA.....Minneapolis, Minn.
University of Minnesota, A.B., 1901; A.M., 1905.
Philosophy, Psychology.
- SWEET, WILLIAM WARREN.....Madison, N. J.
Ohio Wesleyan University, A.B., 1902.
American History, Political Economy and Finance.
- SWENSON, JOHN AUGUST (P).....(Bklyn) New York City
Columbia University, A.B., 1903.
Astronomy.
- TAINTOR, SARAH AUGUSTA.....East Avon, N. Y.
Elmira College, A.B., 1898.
English, Comparative Literature.
- TAJIMA, SUSUMU.....Isobe, Japan
Meiji Gakkwin, Japan (equiv. A.B.), 1896.
Psychology.
- TAKATA, SHIRO (P).....Tokio, Japan
Tokio Higher Commercial College, A.B., 1902.
Political Economy and Finance, Sociology and Statistics.
- TANZER, HELEN HENRIETTA.....New York City
Columbia University, A.B., 1903.
Classical Archaeology, Latin.
- TATLOCK, JESSIE MAY (P).....New York City
Bryn Mawr College, A.B., 1900.
Mediæval History.
- TAYLOR, JOHN WARNER.....New York City
Columbia University, A.B., 1903; A.M., 1905.
English, Comparative Literature.
- TEETER, CHARLES HOWARD (P).....(Bklyn) New York City
Yale University, A.B., 1898.
Mathematics, Mechanics.
- TERRY, BENJAMIN TAYLOR (P).....Birmingham, Ala.
Vanderbilt University, A.B., 1898; A.M., 1900.
Johns Hopkins University, M.D., 1904.
Zoology.
- THOMAS, MALCOLM GRAEME (P).....Stony Point, N. Y.
Union College, A.B., 1898; A.M., 1902.
Modern European History, American History.
- THOMPSON, MARTHA (P).....New York City
Columbia University, A.B., 1905.
Zoology.

- TINTNER, BENJAMIN ABNER.....New York City
Columbia University, A.B., 1903.
Semitic, Latin.
- TODD, JOHN ROBINSON (P).....Federalburg, Md.
Dickinson, College, A.B., 1887; A.M., 1890.
American History.
- TOWER, ALETTA LOUISE (P).....Montclair, N. J.
Sociology and Statistics.
- TOWLE, ELIZABETH WILLIAMS (P).....(Q) New York City
Bryn Mawr College, A.B., 1898; A.M., 1899.
Zoology.
- TOZER, ALTA MARY (P).....Valley Falls, N. Y.
Vassar College, A.B., 1899.
Greek.
- TRASK, THOMAS CANN (P).....New York City
Yale University, A.B., 1893; A.M., 1903.
Education.
- TRIER, BETTY.....Montclair, N. J.
Columbia University, A.B., 1904; A.M., 1905.
Mathematics, Astronomy, Education.
- TRIPP, MYRON OWEN (P).....Yonkers, N. Y.
Northern Indiana Normal School, B.S., 1895.
Indiana University, A.B., 1901.
Mathematics, Education.
- TROUP, PHILIP (P).....New Haven, Conn.
Yale University, Ph.B., 1900; LL.B., 1903.
Sociology and Statistics.
- TRYON, HAROLD HARRISON (P).....Cynwyd, Pa.
University of Pennsylvania, A.B., 1900.
Union Theological Seminary, B.D., 1905.
Columbia University, A.M., 1905.
Medieval History.
- TUCKER, HELEN AUGUSTA.....Avon, Mass.
Smith College, A.B., 1895.
Social Economy, Medieval History.
- TUTTLE, HORACE BURT.....Cleveland, Ohio
Yale University, Ph.B., 1897.
Chemistry, Electrical Engineering.
- TYNAN, JOSEPH LAWRENCE.....New York City
College of the City of New York, A.B., 1901.
English.
- TYNG, ELIZABETH McJIMSEY (P).....New York City
Cornell University, A.B., 1903.
Columbia University, A.M., 1904.
Latin, Greek.
- UCHIDA, SHIGEJI (P).....Kyoto, Japan
Philosophy, German.
- UPHAM, ALFRED HORATIO (P).....Eaton, Ohio
Miami University, A.B., 1897; A.M., 1898.
Harvard University, A.M., 1901.
Comparative Literature, English.
- UPHAM, WILLIAM ERASTUS.....Duluth, Minn.
Michigan College of Mines, B.S., 1892, E.M., 1895.
Geology.
- VANCE, RUFUS ADAIR (P).....New York City
Missouri Valley College, A.B., 1893.
New York Law School, LL.B., 1902.
Columbia University, A.M., 1903.
Education.
- VANDERBURGH, FREDERICK AUGUSTUS (P).....New York City
Semitics.

- VAN KLEECK, MARY ABBY (P).....New York City
Smith College, A.B., 1904.
Sociology and Statistics.
- VERHOEFF, MARY (P).....New York City
Vassar College, A.B., 1895.
Sociology and Statistics, Political Economy and Finance.
- VER PLANCK, JUDITH CROMMELIA (P).....Orange, N. J.
Columbia University, B.S., 1904.
American History.
- VON UNWERTH, FRIDA (P).....Kansas City, Mo.
University of Chicago, Ph.B., 1903.
Germanic.
- VOORHEES, FLORENCE AUGUSTA.....New York City
Oberlin College, A.B., 1900.
Sociology and Statistics, Political Economy and Finance, Education.
- VORIS, JOHN RALPH (P).....New York City
Franklin College (Ind.), A.B., 1901.
University of Chicago, B.D., 1904.
Sociology and Statistics.
- WADDEN, MARY.....New York City
Northwestern University, Ph.B., 1902.
Latin, Germanic, Education.
- WADDINGTON, EFFIE VAN RENSSELAER (P).....New York City
Sociology and Statistics, Philosophy.
- WAITE, MINNIE ESTELLE (P).....Watertown, N. Y.
Vassar College, A.B., 1903.
Greek.
- WALDMAN, MORRIS D. (P).....New York City
New York University, Ph.B., 1898
Social Economy.
- WALDSTEIN, ABRAHAM SOLOMON.....Perth Amboy, N. J.
Semitics, Philosophy.
- WALKER, ALICE JENNIE.....Stafford Springs, Conn.
Mount Holyoke College, A.B., 1897.
English, Education.
- WALKER, JANE BELLE.....Hoboken, N. J.
University of Chicago, Ph.B., 1904.
English, Education.
- WALLACH ADELAIDE NETTIE (P).....New York City
Vassar College, A.B., 1900.
Modern European History.
- WALLACH, RITA TERESA (P).....New York City
Modern European History.
- WALLIN, AXEL REYNOLD (P).....Kenilworth, N. J.
Augustana College, A.B., 1902.
Latin, Anthropology.
- WALTON, SOPHIE TODD (P).....Bellport, N. Y.
English.
- WANG, CHUNG YU.....Canton, China
Tientsin University, B.S., 1899.
Columbia University, A.M., 1904.
Geology.
- WEBB, HAROLD WORTHINGTON.....Glen Ridge, N. J.
Columbia University, A.B., 1905.
Physics, Chemistry, Mathematics.
- WEED, ETHEL GEORGINE.....(Bklyn) New York City
Vassar College, A.B., 1903.
English, Psychology.

- WEEKS, MABEL FOOTE.....West Medford, Mass.
Radcliffe College, A.B., 1894.
English.
- WEISMAN, CHARLES.....(Bklyn) New York City
College of the City of New York, B.S., 1900.
Romance, English.
- WELCH, ALBERTA MAUDE.....New York City
Wellesley College, A.B., 1895.
Germanic.
- WELLS, FREDERIC LYMAN.....New York City
Columbia University, A.B., 1903; A.M., 1904.
Psychology, Linguistics, Germanic.
- WELLS, GUY FRED (P).....New York City
Sociology and Statistics.
- WEST, WILLIAM BENJAMIN.....Brook Haven, N. Y.
Mount Union College, A.B., 1900.
Drew Theological Seminary, B.D., 1905.
Sociology and Statistics, Political Economy and Finance, Philosophy.
- WHALEN, THOMAS JAMES.....New York City
St. Frances Xavier College, A.B., 1902.
English, Education.
- WHARTON, WILLIAM PARKER.....Ramey, Pa.
Columbia University, A.B., 1902.
English, Comparative Literature.
- WHITE, FREDERICK C. (P).....(Br) New York City
Alfred University, A.B., 1895; A.M., 1902.
Modern European History.
- WHITE, GEORGE LEROY (P).....Westbury, N. Y.
Western Maryland College, A.B., 1904.
Sociology and Statistics.
- WHITE, HENRY (P).....New York City
Political Economy and Finance.
- WHITE, MAUD LUCY.....Kalamazoo, Mich.
Smith College, A.B., 1899.
English, Mediæval History, German.
- WHITESIDE, DONALD GRANT.....New York City
College of the City of New York, B.S., 1897.
New York University, A.M., 1901.
Germanic, English.
- WHITMAN, WALTER GEORGE (P).....Norway, Me.
Tufts College, A.B., 1898.
Physical Science, Education.
- WHITNEY, DAVID DAY.....East Brookfield, Vt.
Wesleyan University, A.B., 1904.
Zoology, Physiology, Botany.
- WIAIT, MABEL HUNTER.....Parkersburg, W. Va.
Woman's College of Baltimore, A.B., 1903.
English.
- WILCOX, ETHEL DODGE.....Yonkers, N. Y.
Columbia University, A.B., 1903; A.M., 1905.
Sociology and Statistics, Political Economy and Finance, American History, Political Philosophy.
- WILKINS, LAWRENCE AUGUSTUS.....New York City
Syracuse University, Ph.B., 1904.
Romance, Germanic.
- WILLIAMS, M. EMMA.....New York City
Wesleyan University, Ph.B., 1899.
Latin.

- WILLIAMS, SAMUEL R. New York City
Iowa College, A.B., 1901.
University of Nebraska, A.M., 1903.
Physics, Chemistry.
- WILSON, EDITH HARRIET. New York City
Lake Forest University, A.B., 1900.
English, Education.
- WILSON, HUGH DEMPSTER, Jr. New York City
Trinity College, A.B., 1901.
Philosophy.
- WILSON, JANE STEDMAN. New York City
Lake Forest College, A.B., 1888.
Latin.
- WILSON, J. HOWARD. Yonkers, N. Y.
Brooklyn Polytechnic Institute, A.B., 1895.
Columbia University, A.M., 1905.
Geology, Anthropology.
- WILSON, PEARL CLEVELAND. New York City
Vassar College, A.B., 1904.
Columbia University, A.M., 1905.
Greek, Latin.
- WOHLFARTH, AMELIA. New York City
Columbia University, A.B., 1899; A.M., 1900.
Germanic.
- WOMACK, MARY DOUGLAS (P). New York City
Adelphi College, B.S., 1899.
Zoology.
- WOOD, ALICE IDA. New York City
Wellesley College, B.S., 1894.
Columbia University, A.M., 1901.
English, Comparative Literature.
- WOOD, ELEANOR DENNISTOUN. New York City
Bryn Mawr College, A.B., 1902.
Philosophy.
- WOOD, ELIZABETH CORINNE (P). New York City
Allegheny College, A.B., 1889.
Columbia University, A.M., 1904.
Medieval History, Education.
- WOODARD, ABRAM SYLVANUS (P). Madison, N. J.
Nebraska Wesleyan University, Ph.B., 1903.
Sociology and Statistics.
- WOODHULL, MARIANNA. New York City
Smith College, A.B., 1887.
Comparative Literature.
- WOODROOFE, ROBERT WILLIAM. New York City
University of Toronto, A.B., 1902.
Kings College (N. S.), A.M., 1904.
Sociology and Statistics, Political Philosophy, Political Economy and Finance.
- YAGGY, SAMUEL EDWARD. New York City
Cornell University, A.B., 1895.
Philosophy.
- YATSU, NAOHIDE (P). Tokio, Japan
Tokio Imperial University, Japan (equiv. A.B.), 1900.
Columbia University, Ph.D., 1905.
Zoology.
- YOKOTA, SEIMATSU. Tokio, Japan
Waseda University, Japan, A.B., 1903.
Political Economy and Finance, Sociology and Statistics, American History.
- YORK, HARLAN HARVEY. Plainfield, Ind.
De Pauw University, B.S., 1903.
Ohio State University, A.M., 1905.
Botany, Zoology.

338 POLITICAL SCIENCE, PHILOSOPHY, PURE SCIENCE

- YOUNG, ANNE SEWELL.....Chicago, Ill.
 Carleton College, B.L., 1892; M.S., 1897.
Astronomy.
- YOUNG, THEODORE BASIL (P).....Patenburg, N. J.
 Wesleyan University, A.B., 1902.
Sociology and Statistics.
- ZEITLIN, JACOB (P).....New York City
 Columbia University, A.B., 1904; A.M., 1905.
English, Comparative Literature.

In addition to the above, 103 candidates for the degree of Master of Arts and 38 for the degree of Doctor of Philosophy are registered under the Faculty of Philosophy, with Education as their major subject. The names of these candidates appear in the list of graduate students in Teachers College.

SUMMARY

STUDENTS PRIMARILY REGISTERED UNDER THESE FACULTIES....	804
STUDENTS FROM OTHER FACULTIES OF THE UNIVERSITY, CANDI- DATES FOR THE DEGREES OF A.M., LL.M., OR PH.D.:	
From the School of Law.....	60
From the College of Physicians and Surgeons.....	3
From the Schools of Applied Science.....	12
	<hr/> 75
Total.....	879

BARNARD COLLEGE

TRUSTEES

SILAS B. BROWNELL, LL.D., *Chairman*

Mrs. A. A. ANDERSON, *Vice-Chairman*

FREDERICK S. WAIT, *Clerk*

GEORGE A. PLIMPTON, *Treasurer*

Miss HELEN DAWES BROWN

Mrs. FRANCIS P. KINNICUTT

Mrs. WILLIAM C. BROWNELL

FRANKLIN B. LORD

Mrs. FRANK G. BRYSON

SETH LOW, LL.D.

NICHOLAS MURRAY BUTLER, Ph.D.,
LL.D.

Mrs. ALFRED MEYER

ALBERT G. MILBANK

Gen. HORACE W. CARPENTIER

Mrs. HENRY N. MUNN

Mrs. JOSEPH H. CHOATE

Mrs. H. FAIRFIELD OSBORN

Rev. WILLIAM M. GROSVENOR, D.D.

EDWARD W. SHELDON

FREDERIC B. JENNINGS

Miss CLARA B. SPENCE

Mrs. JAMES TALCOTT

STANDING COMMITTEES

1905

Executive Committee

Dr. BROWNELL, *Chairman*

Mrs. ANDERSON, *Vice-Chairman*

Mr. WAIT, *Clerk*

Dr. BUTLER

Mrs. MUNN

Dr. LOW

Mr. PLIMPTON

Mr. MILBANK

Mr. SHELDON

On Finance

Mr. LORD, *Chairman*

Mr. JENNINGS

Mr. MILBANK

On Buildings and Grounds

Mrs. OSBORN, *Chairman*

Mrs. MUNN

Mrs. BRYSON

THE PRESIDENT (ex-officio)

On Education

Mrs. MEYER, *Chairman*

Dr. LOW

Dr. GROSVENOR

THE PRESIDENT (ex-officio)

OFFICERS OF INSTRUCTION

Officers of the Faculty ¹

- LAURA DRAKE GILL, A.M. *Dean and ex-officio Member of the University Council*
 JAMES HARVEY ROBINSON, Ph.D. *Elected Delegate to the University Council (term expires 1906)*

The Faculty

- NICHOLAS MURRAY BUTLER, Ph.D., LL.D., Litt. D. (Oxon.) *President*
 LAURA DRAKE GILL, A.M., *Dean*
² EDWIN R. A. SELIGMAN, Ph.D., LL.D. *McVickar Professor of Political Economy*
 HERBERT L. OSGOOD, Ph.D. *Professor of History*
 EDWARD DELAVAN PERRY, Ph.D., LL.D. *Jay Professor of Greek*
 GEORGE RICE CARPENTER, A.B. *Professor of Rhetoric and English Composition*
 FRANKLIN HENRY GIDDINGS, Ph.D., LL.D. *Professor of Sociology*
 JOHN B. CLARK, Ph.D., LL.D. *Professor of Political Economy*
 JAMES RIGNALL WHEELER, Ph.D. *Professor of Greek*
 FRANK N. COLE, Ph.D. *Professor of Mathematics*
 JAMES HARVEY ROBINSON, Ph.D. *Professor of History*
² CALVIN THOMAS, LL.D. *Gebhard Professor of the Germanic Languages and Literatures*
 CARLO LEONARDO SPERANZA, A.M., B. ès L. *Professor of Italian*
 WILLIAM P. TRENT, M.A., LL.D. *Professor of English Literature*
 HERBERT GARDINER LORD, A.M. *Professor of Philosophy*
 NELSON GLENN MCCREA, Ph.D. *Professor of Latin*
 LIVINGSTON FARRAND, A.M., M.D. *Professor of Anthropology*
 BENJAMIN D. WOODWARD, Ph.D. *Professor of the Romance Languages and Literatures*
 HENRY E. CRAMPTON, Ph.D. *Professor of Zoölogy*
 WILLIAM TENNEY BREWSTER, A.M. *Adjunct Professor of English*
 CHARLES KNAPP, Ph.D. *Adjunct Professor of Classical Philology*
 HENRY L. MOORE, Ph.D. *Adjunct Professor of Political Economy*
 HERBERT MAULE RICHARDS, Sc.D. *Adjunct Professor of Botany*
 MARGARET E. MALTBY, Ph.D. *Adjunct Professor of Physics*
 LOUIS AUGUSTE LOISEAUX, B.S. *Adjunct Professor of the Romance Languages and Literatures*
² JAMES T. SHOTWELL, Ph.D. *Adjunct Professor of History*
 GEORGE W. BOTSFORD, Ph.D. *Adjunct Professor of History*
 ALVIN S. JOHNSON, Ph.D. *Adjunct Professor of Economics*

¹ The Secretaryship of the Faculty is vacant owing to the recent death of Professor M. L. Earle.

² Absent on leave.

Standing Committees of the Faculty

COMMITTEE ON THE PROGRAM OF STUDIES: The Dean, *chairman*, Professors Robinson, Trent, and Maltby.

COMMITTEE ON ADMISSION: Professors Cole, *chairman*, Brewster, and Richards.

COMMITTEE ON SCHOLARSHIPS: The Dean, *chairman*, Professor Robinson and Dr. Hirst.

COMMITTEE ON HONORS: Professors Lord, *chairman*, Knapp, and Dr. Kasner.

COMMITTEE ON STUDENT ORGANIZATIONS: Professors Crampton, *chairman*, Moore, and Dr. Reimer.

Other Officers of Instruction

MARIE REIMER, Ph.D.	<i>Instructor in Chemistry</i>
EDWARD KASNER, Ph.D.	<i>Instructor in Mathematics</i>
HENRY BARGY, A.M.	<i>Instructor in the Romance Languages and Literatures</i>
WILLIAM E. KELLICOTT, Ph.D.	<i>Instructor in Zoölogy</i>
GERTRUDE M. HIRST, Ph.D.	<i>Instructor in Classical Philology</i>
WILLIAM P. MONTAGUE, Ph.D.	<i>Instructor in Philosophy</i>
WILHELM ALFRED BRAUN, Ph.D.	<i>Tutor in the Germanic Languages and Literatures</i>
TRACY ELLIOT HAZEN, Ph.D.	<i>Tutor in Botany</i>
¹ VIRGINIA C. GILDERSLEEVE, A.M.	<i>Tutor in English</i>
HENRI F. MÜLLER, B. ès L.	<i>Tutor in the Romance Languages and Literatures</i>
ELEANOR KELLER, A.B.	<i>Tutor in Chemistry</i>
HARRIET BROOKS, A.M.	<i>Tutor in Physics</i>
ANNINA PERIAM, A.M.	<i>Tutor in the Germanic Languages and Literatures</i>
FREDERICK W. J. HEUSER, A.M.	<i>Tutor in the Germanic Languages and Literatures</i>
WILLIAM H. BUSSEY, Ph.D.	<i>Tutor in Mathematics</i>
¹ ELSIE CLEWS PARSONS, Ph.D.	<i>Lecturer in Sociology</i>
IDA H. OGILVIE, Ph.D.	<i>Lecturer in Geology</i>
GEORGE PHILIP KRAPP, Ph.D.	<i>Lecturer in English</i>
CHARLES A. BEARD, Ph.D.	<i>Lecturer in History</i>
PAULINE HAMILTON DEDERER, A.B.	<i>Lecturer in Zoölogy</i>
PHILIPP SEIBERTH, A.M.	<i>Lecturer in the Germanic Languages and Literatures</i>
WILLIAM B. PARKER, A.B.	<i>Lecturer in English</i>
GRACE A. HUBBARD, A.M.	<i>Lecturer in English</i>
ALGERNON DE V. TASSIN, A.M.	<i>Lecturer in English</i>
MARGARET A. REED, A.B.	<i>Lecturer in Zoölogy</i>
WALTER B. PITKIN, A.B.	<i>Lecturer in Philosophy</i>

¹ Absent on leave.

HARWOOD HOADLEY, A.B.....	<i>Lecturer in Classical Philology</i>
MARGARET E. BALL, A.M.....	<i>Assistant in English</i>
MARION E. LATHAM, A.M.....	<i>Assistant in Botany</i>
LILLIE M. LAWRENCE, B.S.....	<i>Assistant in Classical Philology</i>
ROWLAND HAYNES, A.M.....	<i>Assistant in Philosophy</i>
FRANK E. WARD.....	<i>Organist</i>

For other officers of the University who may give instruction to students of Barnard College, consult the several departmental statements.

Officers of Administration

N. W. LIGGETT, A.B.,	<i>Bursar</i>
ANNA E. H. MEYER, A.B.,	<i>Secretary</i>
AGNES OPDYKE, A.B.,	<i>Acting Registrar</i>
FREDERICK A. GOETZE, M.Sc.,	<i>Superintendent of Buildings and Grounds</i>

GENERAL STATEMENT

In 1883 the Trustees of Columbia College offered degrees to women who should be able to pass the necessary examinations, without, however, providing instruction for them. The resulting system, called *The Collegiate Course for Women*, proved unsatisfactory to both parties. It was found necessary to provide instruction for women which should be identical with or equivalent to that provided by Columbia for men, and in 1889 Barnard College was organized with this purpose in view.

For eleven years it duplicated for women as far as possible the curriculum of Columbia College, and also registered for graduate work under the University Faculties women who held the bachelor's degree from institutions of good standing. Its instructors were members of the University staff. Examinations for entrance to Barnard College, those given in course, and those for degrees, were conducted by Columbia University. During the first three undergraduate years separate instruction was given to women; in the senior year they were admitted to certain courses in the University. Graduate students attended many courses at Columbia University under the Faculties of Philosophy and Political Science. Under the Faculty of Pure Science, lecture courses only were open at the University, laboratory work being done at Barnard College.

However, Barnard's numerical growth made inappropriate the informal arrangement for instruction which was the natural method at the outset. Its students grew to form a considerable fraction of the total number of undergraduates under the care of Columbia instructors, and the graduates registered through Barnard began to have an appreciable effect upon the University statistics. It therefore became necessary to recognize formally the status which had gradually come into existence, and accordingly an agreement was

entered into by which Barnard was included in the University system. Its experience in relation to Columbia has differed widely from that of any other affiliated college in relation to its university. The gradual *rapprochement* consummated in the agreement signed in January, 1900, has proceeded without check. Barnard is an independent college for women, with a corporation and a faculty of its own, vested with all the powers commonly belonging to such bodies. At the same time, it shares the library, the instruction, and the degrees of Columbia University.

A more exact idea of the relations between Barnard College and Columbia University is given by the following *résumé* of the agreement above mentioned.

According to the agreement made January 19, 1900, between the Trustees of Columbia University and Barnard College, for the purpose of incorporating Barnard College, a college for women, in the educational system of the University, it is provided:

That the President of the University shall be, *ex-officio*, President of Barnard College and a Trustee of Barnard College. He shall preside at the meetings of the Faculty of Barnard College, and shall have general supervision and direction of the educational administration of such College, as in the other schools of the University.

That the internal administration of Barnard College shall be conducted by a Dean, who shall be appointed by the President of the University, by and with the advice and consent of the Trustees of Barnard College. In the absence of the Dean, an Acting Dean may be appointed by the President.

That Barnard College shall be represented in the University Council of Columbia University by its Dean, who shall have the right to vote in the University Council upon all questions. The Faculty of Barnard College shall consist of the President, the Dean, and all the professors on the staff of the University who give instruction in Barnard College.

That Barnard College shall provide for and maintain such officers of instruction as may, from time to time, be agreed on. Such officers shall be nominated by the Dean of Barnard College, with the approval of the Trustees of Barnard College and of the President of the University, and shall be appointed and reappointed by the University according to its custom. Their standing shall be the same in all respects as that of other like officers in the University. For all services rendered in the University by officers so appointed an equivalent amount of service shall be rendered in Barnard College by other officers of the University of like grade, as may be determined from time to time, with the consent of the officers concerned, by the Dean of the College and the President of the University.

That members of the Faculty of Barnard College may be either men or women.

That, on and after July 1, 1904, all of the instruction for women leading to the degree of Bachelor of Arts shall be given separately in

Barnard College. Barnard College will assume as rapidly as possible all of the instruction for women in the senior year, without regard to the time limit contained in this section, and undertakes to maintain every professorship established at its instance, so long as the services of the incumbent thereof or an equivalent therefor shall be rendered in Barnard College; and when Barnard College has adequately provided for its undergraduate work, it will, as its means allow, establish additional professorships in the University, upon foundations providing for courses which shall be open to men and women, to the end that opportunities for higher education may be enlarged for both men and women.

That the University will accept women who have taken their first degree, on the same terms as men as students of the University, and as candidates for the degrees of Master of Arts and Doctor of Philosophy under the Faculties of Philosophy, Political Science, and Pure Science, in such courses as have been or may be designated by these Faculties, with the consent of those delivering the courses, and will make suitable provision for the oversight of such women. The University will confer the degree of Bachelor of Arts upon the students of Barnard College who shall have satisfactorily fulfilled in Barnard College the requirements of the University Statutes for that degree. The courses in Barnard College leading to the degree of Bachelor of Arts shall be determined and administered by its own Faculty, and all examinations for admission to Barnard College and in course shall be conducted under the authority of the Faculty of Barnard College. The diploma shall be signed by the President of the University and by the Dean of Barnard College. The degree of Bachelor of Arts conferred upon the graduates of Barnard College shall be maintained at all times as a degree of equal value with the degree of Bachelor of Arts conferred upon the graduates of Columbia College. The equivalency of the two degrees shall be maintained in such manner as the University Council may prescribe.

That, so long as this agreement is in force, Barnard College shall grant no degrees. It shall retain the right to grant certificates to students not candidates for a degree, and it shall exercise all other corporate rights and powers which are not delegated to the University by this agreement. But this agreement shall not be deemed a surrender by Barnard College of any powers conferred upon it by charter.

That Barnard College shall retain its separate corporate organization, and that the Trustees of Barnard College shall continue to provide for the financial support thereof.

That the Library of the University shall be open to all women students of the University and of Barnard College upon the same terms as to men.

By the terms of an agreement between Columbia University and Barnard and Teachers Colleges, students of Teachers College are per-

mitted to attend courses in Barnard College. This institution offers reciprocal advantages to the students of Barnard College. Courses which are counted toward a Teachers College diploma and are open to seniors in Columbia College are also open to seniors of Barnard College.

ADMISSION

The Committee on Admission has charge of everything relating to this subject.

The general regulations for admission are the same as those for Columbia College, see page 194.

Every candidate for admission to Barnard College, either to the freshman class or to a special course, is required at the entrance examinations to offer subjects amounting to fifteen (15) points as indicated below. A point here represents a course of five periods weekly throughout an academic year of the preparatory school.

The candidate *must* offer

	COUNTING IN POINTS
English.....	3
Elementary Latin.....	4
Elementary Mathematics.....	3

The candidate may offer any of the following subjects without other restriction than that to offer an advanced subject will involve offering the corresponding elementary subject as well:

	COUNTING IN POINTS
Elementary Greek.....	3
Elementary History.....	2
Drawing.....	1
Music.....	1
Intermediate French.....	1
Intermediate German.....	1
¹ Advanced Greek.....	1
¹ Advanced History.....	1
¹ Advanced Latin.....	1
¹ Advanced Mathematics.....	1
¹ Advanced Physics.....	1

The candidate may offer not more than 4 points in all from the three subjects following:

	COUNTING IN POINTS
Elementary French.....	2
Elementary German.....	2
Spanish.....	2

The candidate may offer not more than 2 points in all from the five subjects following:

	COUNTING IN POINTS
Botany.....	1
Chemistry.....	1
Elementary Physics.....	1
Physiography.....	1
¹ Zoölogy.....	1

¹ Candidates will be examined in this subject only in January and September.

For full definition of the above requirements and for information regarding the times and places at which entrance examinations are held, regulations regarding division of examinations, examinations outside of New York, application blank and examination fee, see pages 163-184.

Entrance Conditions and Probation

A student may be admitted to the freshman class on probation when the total number of points received by her in the entrance examinations amounts to eleven (11) out of the total required fifteen (15) points; but this rule is subject to the proviso that the four (4) points of deficiency do not include the whole of English, Elementary Latin, or Elementary Mathematics. A total failure in any one of these subjects will be regarded as disqualifying a candidate for admission.

A freshman admitted conditionally will be held under probation during the first half-year of residence. Not later than Tuesday of the second week following the Christmas holidays, each department in which students on probation attend shall make to the Dean a special report of progress in the case of every such student. The Dean shall as soon as practicable after the mid-year examinations decide as to each student on probation, whether she shall be admitted to full standing, have her period of probation extended, or be dropped from the roll.

The mark C, B, or A, obtained in any subject at the end of the first half-year of residence, will be regarded as removing an entrance condition in that subject, unless the condition was incurred in a part of the subject not directly involved in the work of the college course. Every entrance condition that is not removed under the operation of the foregoing provision must be made good at the regular entrance examinations of the year following the student's admission.

The College holds no special examinations to enable students to remove entrance conditions.

No student may be admitted to the sophomore class until she shall have removed all her entrance conditions.

To Advanced Standing

See the "Requirements for Admission to Advanced Standing in Columbia College," page 196.

In addition, the credits granted in any subject to a student admitted with advanced standing may be withdrawn or diminished in amount, if, in pursuing such subject after admission to Barnard College, the student prove that the granting of the credits was wholly or in part unwarranted by her previous work.

No student may receive a degree who has resided less than two full half-years at Barnard College.

No applicant will be allowed to enter the senior class as a candidate for the degree of Bachelor of Arts after October 15 in any year.

As Special Students

Candidates for admission as special students must make application in writing at least one week before the first day of the entrance examinations in September or in January. Proper blanks for this purpose may be obtained from the Registrar.

Special students in Barnard College are of two classes: non-matriculated and matriculated.

Non-matriculated special students must be women of mature age who wish to pursue chiefly advanced courses of special study. They may be admitted at the discretion of the Committee on Admissions without passing formal entrance examinations. They must furnish proof that they have at some time pursued the studies included in the matriculation examinations and must satisfy the requirements of the department that they desire to enter.

No courses taken by non-matriculated special students can at any time be counted by them toward a degree.

Matriculated special students are women who wish, without taking a degree, to make a serious study of some subject or group of subjects. They must pass the regular examinations for admission to the freshman class and have full credit for fifteen (15) points of the entrance requirements. (See p. 345.) They may, therefore, in event of a change of plan, be credited with such of their courses as may coincide with the courses leading to a degree.

Except for reasons of weight, satisfactory to the Committee on Admissions, no one will be received as a special student who is less than eighteen years of age, or who has, within ten months of the time of her application, been rejected as a regular student, or who has, within that period, become deficient as a regular student.

Once admitted to the college, special students will be allowed to select their own courses of study, subject to the general approval of the Dean and to the particular approval, for each course selected, of the head of the department in which the course is given.

Each student is required to pursue in any year courses amounting to at least sixteen (16) points, unless excused by the Dean for reasons of special weight.

In the courses which they severally pursue all special students will be held to the observance of the same regulations as to attendance, examination, proficiency, and deficiency as regular students.

MATRICULATION, FEES, PROGRAM OF STUDIES

Detailed information regarding matriculation, registration, fees, and the program of studies will be found in the current *Announcement of Barnard College*, which can be obtained without charge on application to the Secretary of Barnard College.

SCHOLARSHIPS AND PRIZES

There are altogether forty scholarships and two special funds for the aid of needy and deserving students. The value of each scholarship, unless otherwise stated, is \$150 annually.

The scholarships are of two sorts, competitive and non-competitive. The former are awarded for excellence in entrance examinations; the latter, on the nomination of the Committee on Scholarships of the Faculty, to worthy students who have passed at least one year in college. They are held, unless otherwise stated, *for one year only*.

If a student fail to maintain a grade of at least C in all courses which she pursues, or if she commit a breach of good order, she shall forfeit her scholarship.

For a detailed statement of the conditions under which the scholarships are awarded, the regulations regarding applications, and the like, the *Announcement of Barnard College* should be consulted. This may be obtained without charge upon application to the Secretary of Barnard College.

The following is a summary of the scholarships:

Competitive Scholarships

1. *Open to all Students:*

Trustees' Competitive Scholarship.....	1
Jessie Kaufmann Scholarship.....	1

2. *Open to Particular Students:*

Brooklyn Scholarships.....	12
Lucille Pulitzer Scholarships.....	3

Non-competitive Scholarships

1. *Open to all Students:*

Student Scholarships.....	12
Ella Weed Scholarship.....	1
Veltin School Scholarship.....	1
Jennie B. Clarkson Scholarship.....	1
Emily James Smith Scholarship.....	1
Anna E. Barnard Scholarship.....	1
Brearley School Scholarship.....	1
Eliza Taylor Chisholm Memorial Scholarship.....	1
Graham School Scholarship.....	1

2. *Open to Particular Students:*

Mrs. Donald McLean Scholarship.....	1
Emma Hertzog Scholarship.....	1
Mrs. Henry Clarke Coe Scholarship.....	1

3. *Special Funds for the Aid of Needy and Deserving Students:*
Arthur Brooks Fund.

A fund of \$5000 given in 1897 by Miss Olivia E. Phelps Stokes as a memorial of the Reverend Arthur Brooks, D.D. Fiske Scholarship Fund.

A sum of \$240, the income of a fund given by Mrs. Martha T. Fiske-Collord.

Herrman Botanical Prize

A prize of \$50, founded by Mrs. Esther Herrman, will be awarded annually to the most proficient undergraduate student in botany.

Kohn Mathematical Prize

A prize of \$50, founded by Mrs. S. H. Kohn, is awarded annually to a senior for excellence in mathematics. Competitors for this prize must have pursued mathematics continuously during their college course.

Bunner Medal

By the terms of its establishment the A. C. Bunner gold medal (See Table of Contents) is open for competition to students in Barnard College.

REGISTER OF STUDENTS

SENIORS—CLASS OF 1906

BELL, FLORENCE EMILY.....	(Q) New York City
BLACKBURN, LOUISA POWELL.....	Grand Rapids, Mich.
BOYD, VIRGINIA TUCKER.....	New York City
BRADFORD, ELIZABETH ELLIOT.....	Columbus, O.
BRAUTIGAM, ELISABETH RANDALL.....	East Orange, N. J.
BREWSTER, ALICE DOROTHY.....	New York City
BROWN, MARJORIE FERGUSON.....	New York City
BROWNE, MABEL EMMA.....	(Bklyn) New York City
BRUCE, JENNIE MAY.....	New York City
CHAPMAN, EMMA AUGUSTA.....	Jersey City, N. J.
CHIPPERFIELD, FAITH DELATOUR.....	New York City
COHEN, AMELIA.....	(Br) New York City
CONDIT, JESSIE PARSONS.....	East Orange, N. J.
DARLING, NELLIE OAKES.....	New York City
DARRIN, KATHARINE ELIZA.....	Addison, N. Y.
DORSETT, LOVENIA ADELE.....	(Q) New York City
EASTMAN, LUCY PUTNAM.....	New York City
EHRRICH, ELSIE MARGARET.....	New York City
ERNST, MATILDA.....	Huntington, L. I.
ERSTEIN, ROSE.....	New York City
EVANS, ELIZABETH GRACE.....	New York City
FAIRCHILD, RUTH DEANE.....	New York City
FONTAINE, MARIE LOUISE.....	New York City
FOSHAY, FLORENCE ELIZABETH.....	Port Chester, N. Y.
FRANK, EDNA EMILIE.....	New York City
FRANKFIELD, HELEN.....	New York City
FREIDENRICH, EDYTH.....	New York City
FRICKE, WILLA MAY.....	New York City
FRIED, ROSA.....	New York City
GELBACH, MARIE.....	New York City
GOLDSMITH, EVELYN MIRIAM.....	New York City
GOODYEAR, KATHARINE FRANCES (Mrs. N. GOODYEAR).....	New York City
GREENWOOD, ELEANOR MAUD.....	New York City
HALL, CAROLINE DUMONT.....	Mt. Vernon, N. Y.
HART, ADELAIDE.....	New York City
HASKELL, ALICE.....	Providence, R. I.
HAYNES JESSIE ELIZABETH.....	New York City
HEIMANN, EDITH.....	New York City
HERRMANN, SENTA.....	New York City
HOLDEN, ELEANOR SANFORD.....	Madison, N. J.
JAMES, BERTHA CLARKSON.....	Rahway, N. J.
KNOX, ETHEL MAY.....	New York City
KOHUT, ELSIE.....	New York City
LEE, ANNIE.....	Poland, O.
LEE, EMMA BOUQUET.....	Weiser, Idaho
LEWIS, BESSIE LENA.....	Mt. Vernon, N. Y.

LILIENTHAL, FLORENCE.....	New York City
McMILLEN, FLORENCE LOUISE.....	New York City
MACCOLL, GRACE BEATRICE.....	New York City
MACCOLL, JEANNETTE.....	New York City
MAYER, FANNY.....	New York City
MAYO-SMITH, LUCIE.....	New York City
MORGENTHAU, FLORENCE JESSIE.....	New York City
MURTHA, MARY WASHBURN.....	New York City
NEWLAND, ANNA MAY.....	New York City
NIES, MINNIE ANTOINETTE.....	Paterson, N. J.
PADDOCK, JOSEPHINE.....	New York City
PLATE, HAZEL HUDNALL.....	New York City
POST, CATHARINE MARY.....	(Q) New York City
POST, ELIZABETH SMITH.....	(Q) New York City
RAE, ANNE MUTCH.....	New York City
RALPH, VIRGINIA.....	New York City
REANEY, ELLA JANE.....	New York City
RICH, MABEL ELIZABETH WEISS.....	Mt. Vernon, N. Y.
ROHR, MADELINE DOROTHEA.....	(Br) New York City
RUSSELL, ISABELLE KATHARINE.....	(Bklyn) New York City
SALIK, AUGUSTA.....	New York City
SCHLAGETER, FLORENCE.....	Paterson, N. J.
SCHMIDT, CLARA HELENE.....	Mt. Vernon, N. Y.
SEELIGMAN, IRMA SCOTT.....	New York City
SHANLEY, MILDRED ETHEL.....	Thomaston, Conn.
SHINN NATHALIE IDA.....	Pelham Manor, N. Y.
SIMONS, MARION LODER.....	Port Chester, N. Y.
SOMBORN, EDITH.....	New York City
STAFF, FLORENCE MAY.....	Dunkirk, N. J.
STITT, EDNA WALMSLEY.....	New York City
TAYLOR, VIRGINIA.....	Boothbay Harbor, Me.
TOMS, ELIZABETH IVERSON.....	New York City
WELLS, MILDRED ADELE.....	East Orange, N. J.
WILLIAMS, HELEN ISABEL.....	(Br) New York City
YOUNG, JULIA ELEKTRA LUDLOW (Mrs. R. M. YOUNG).....	New York City

Seniors—Class of 1906..... 81

JUNIORS—CLASS OF 1907

ADAMS, IRENE BENNETT.....	Mt. Kisco, N. Y.
ALTHAUS, AMALIE LOUISE.....	(Br) New York City
ANTHONY, ANNA GENEVIEVE.....	New York City
AUERBACH, EVA FANNY.....	New York City
BAILEY, MARGARET HART.....	New York City
BATTELL, HANNAH MANSFIELD.....	New York City
BENNETT, CORA ELIZABETH.....	Tinton Falls, N. J.
BERNKOPF, BEATRICE MOLLY.....	New York City
BOOTE, MABEL LOUISE.....	Yonkers, N. Y.
BRAND, JOSEPHINE.....	New York City
BUSHONG, ALICE MARGARET.....	(Bklyn) New York City
CANNON, GERTRUDE LOUISE.....	(Br) New York City
CARROLL, ANNE.....	Warwick, N. Y.
CARTER, HELEN.....	New York City
COLBY, SABRA CARRINGTON.....	New York City
COLE, EMMA CORNELIA.....	New York City
COLE, EVANGELINE.....	Sea Cliff, N. Y.
COOKE, JESSIE PATTERSON.....	(Bklyn) New York City
DISBROW, JEAN.....	New York City
ERNST, AGNES ELIZABETH.....	(Br) New York City

FREED, JULIA HUELAT.....	New York City
FURTH, FLORENCE BELLE.....	New York City
GARDINER, CARA LESLIE.....	New York City
GASTON, PHYLINDA.....	Meadville, Pa.
GOODHART, HELEN.....	New York City
GORDON FLORENCE.....	Guttenberg, N. J.
GRANT, LUCILE.....	Stamford, N. Y.
HARDWICK, LOLLIE BELLE.....	Cleveland, Tenn.
HARVITT, HELEN JOSEPHINE.....	(Bklyn) New York City
HELLIN, LILIAN.....	New York City
HENDERSON, HAZEL.....	(Bklyn) New York City
HERZFELD, BEATRICE FELICIA.....	New York City
HILBORN, JENNIE.....	New York City
HURTY, KATHLEEN ELIZABETH.....	New York City
ISRAEL, MARGUERITE BAER.....	New York City
JACOBS, EVA.....	New York City
JELLENIK, IRMA ETELKA.....	New York City
JOACHIMSON, ALMA.....	New York City
JOHNSON, LUCETTA PITNEY.....	Morristown, N. J.
KEENEY, SARAH.....	New York City
KLEIN, BLANCHE.....	New York City
KOHN, IRENE CONSTANCE.....	New York City
LAY, SARA EMMA.....	New York City
LOCKE, LUCILE.....	(Bklyn) New York City
LORD, MARY ELIZABETH.....	Allston, Mass.
LOWENTHAL, AMALIA.....	(Q) New York City
McKEE, ELSA DU BOIS.....	Kingston, N. Y.
McLANE, FANNIE MOULTON.....	New York City
McLAUGHLIN, PIERINA.....	New York City
MACEWAN, EMILY LAMONT.....	Newark, N. J.
ODENCRANTZ, LOUISE CHRISTINA.....	New York City
OESTERLEIN, CHARLOTTE ROSE.....	New York City
POINTS, JULIET STUART.....	Jersey City, N. J.
PRATT, JOSEPHINE SOUTHWORTH.....	New Rochelle, N. Y.
RAPP, KATHERINE LOUISE.....	(Bklyn) New York City
RAY, IDA CHARLOTTE.....	New York City
REARDON, MARY CATHERINE RUTH.....	Rye, N. Y.
ROSEMON, ETHEL MAY.....	(Bklyn) New York City
ROSENBERG, LUCILLE ESTELLE.....	New York City
RUSK, ELIZABETH.....	St. Joseph, Mo.
SCHACHTEL, ELSIE.....	New York City
SCHRAMM, ETHEL BELL.....	New York City
SHONINGER, HELEN.....	New York City
SMITH, CLARA ELIZABETH.....	(Q) New York City
SMITH, KATHARINE AUGUSTA.....	Hartland, N. Y.
TIBBITS, MARY EDLA.....	(Q) New York City
TRACY, HELEN ABBIE.....	Rockville Centre, N. Y.
TREDWELL, ELIZABETH ALDEN SEABURY TREDWELL.....	New York City
TRUE, DOROTHY.....	New York City
TURNBULL, GRACE CLAPPERTON.....	East Orange, N. J.
VALENTINE, MURIEL.....	New York City
WALKER, MARY BARBOUR.....	Scarsdale, N. Y.
WARDELL, LILIAN MAY.....	New York City
WILKES, EDNA MAJOR.....	New York City
WOODMAN, SOPHIE PARSONS.....	New York City
YALE, DAISY IRENE.....	Brewster, N. Y.
YOUNG, ANNE WHITTEMORE.....	(Bklyn) New York City

Juniors—Class of 1907..... 77

SOPHOMORES—CLASS OF 1908

ALEXANDER, IRMA.....	New York City
ALLEN, ELIZABETH.....	New York City
ARMSTRONG, CLAIRETTE PAPIN.....	New York City
ARMSTRONG, LAURA JULIA.....	New York City
ASH, ALMA.....	New York City
ASKOWITH, DORA.....	Cambridge, Mass.
AXT, MAY CHARLOTTE.....	(R) New York City
BACK, ELIZABETH MITCHELL.....	Yonkers, N. Y.
BEEKMAN, ROSE.....	New York City
BEERS, BESSIE ANDREWS.....	(Q) New York City
BERNAYS, JUDITH.....	New York City
BOARDMAN, MARTHA TRACY.....	Bloomfield, N. J.
BRUNDIN, THORBORG MARIE.....	(Q) New York City
BRUSH, ANNA COOLEY.....	New York City
BUDDS, MARY HORNOR.....	New York City
BURR, EMILY THORP.....	Greenwich, Conn.
BURROWS, EDITH MAIE.....	Tarrytown, N. Y.
CAMPBELL, CLEMENTINE ELIZABETH.....	New York City
CASSERES, AMINTA GOMES.....	Mt. Vernon, N. Y.
CLARY, ETHEL MAY.....	New York City
CLENDENIN, MABEL.....	New York City
COVENEY, REGINA.....	(Bklyn) New York City
CROWELL, MARION BARTON.....	(Q) New York City
DAVIES, HAZEL LUCILE.....	Scranton, Pa.
DWYER, ELEANOR AGNES.....	(Bklyn) New York City
EASTMAN, MARJORIE MCCLINTOCK.....	Philadelphia, Pa.
EATON, CLARA CECILIA.....	New York City
ELTZNER, DOROTHEA.....	New York City
EVERETT, ETHEL GRACE.....	(Br) New York City
FERNS, EDITH.....	Mt. Vernon, N. Y.
FINK, ELDA LILLIAN.....	Westfield, N. J.
GLEN, HELEN RENWICK.....	Elizabeth, N. J.
GOEDKOOP, ANNIE ELIZABETH.....	Paterson, N. J.
GOLDE, MARGARET IDA DORIS.....	(Bklyn) New York City
GRAY, HELEN YOUNG.....	(Bklyn) New York City
HAYS, MABEL RAY.....	Pleasantville, N. Y.
HEIM, LILLIAN.....	New York City
HELMRICH, ELSIE WINIFRED.....	New Rochelle, N. Y.
HERSHFIELD, ALICE LEAH.....	New York City
HOERMANN, MARTHA LILLIE ADELE.....	Hoboken, N. J.
HOUSTON, JESSIE FERGUSON.....	Orange, N. J.
HUFELAND, ELEANOR.....	Mt. Vernon, N. Y.
HUFELAND, MARIE AUGUSTA.....	Mt. Vernon, N. Y.
HUNSDON, ELIZABETH CARY.....	New Rochelle, N. Y.
JEIDELL, HELMINA (Mrs. E. J. JEIDELL).....	New York City
JOSEPH, MARY B. HYATT.....	New York City
JOSEPHI, EDITH.....	New York City
KERNER, ANNA MILDRED.....	Chester, N. Y.
KLEIN, MAUDE IRENE.....	(Q) New York City
LOEB, HELEN BABETTE.....	New York City
MACDONALD, MABEL PERKINS.....	New York City
MANLEY, ANNA LAURIE.....	New York City
MARREN, MAUD LOUISE.....	Asbury Park, N. J.
MARSHALL, AGNES MARGARET.....	(Bklyn) New York City
MARSHALL, MARY OSBORNE.....	New York City
MASTIN, FLORENCE JOSEPHINE.....	Piermont, N. Y.
MAXON, MARY.....	Mt. Vernon, N. Y.

MILLER, MARY AGNES.....	New York City
MOORE, NANA LOUISE.....	New York City
MOREHOUSE, ESTHER.....	Bridgeport, Conn.
MULLER, ADA HERMINIE.....	New York City
NEWLAND, MARGUERITE CORLIES.....	New York City
O'GORMAN, ELLEN KATHRYN.....	New York City
PECK, FREDA MARJORIE.....	New York City
PETERSON, MABEL LOUISE.....	(Br) New York City
PRAHL, JOSEPHINE ANNA.....	New York City
QUINBY, ELSIE MAY.....	White Plains, N. Y.
QUINBY, MARY GLADYS.....	Orange, N. J.
QUINN, MAY KATHARINE.....	Bayonne, N. J.
RENNERT, LOUISE CATHERINE.....	New York City
REQUA, ADELAIDE.....	New York City
ROBINSON, ELIZABETH DEVEREUX.....	(Br) New York City
ROE, OLIVE LEAH.....	New York City
ROSANOFF, LILLIAN.....	New York City
ROTH, ANNA ELIZABETH.....	Dolgeville, N. Y.
ROTHENBERG, ANNIE.....	Meridian, Miss.
SAMMET, FLORENCE.....	New York City
SAVITZ, LINDA BELLE.....	Westfield, N. J.
SEELY, CAROLINE EUSTIS.....	New York City
SILCOX, CECILIA MINNA.....	New York City
STEARNS, MABEL FRIEDA.....	New York City
STEIN, GERTRUDE ROSE.....	New York City
STEINBERG, PAULINE.....	Elizabeth, N. J.
STRAUSS, MARGUERITE JULIE.....	New York City
TATTERSHALL, LOUISE MAY.....	White Haven, Pa.
TRAITEL, LOUISE.....	New York City
TURNBULL, ANNIE GRACE.....	Tuckahoe, N. Y.
VEITH, HELEN IDA.....	(Br) New York City
WELLS, GERTRUDE.....	East Orange, N. J.
WIGHTMAN, MARGARETTA.....	(Bklyn) New York City
WILSON, MARIAN.....	Newark, N. J.
WOLFF, FLORENCE MARTHA.....	New York City
WOOLSEY, CATHARINE BUCKINGHAM.....	Englewood, N. J.
YATES, MARGARET HALL.....	New York City
YOUNG, JENNIE MARIE.....	(Bklyn) New York City
Sophomores—Class of 1908.....	95

FRESHMEN—CLASS OF 1909

ABRAHAM, MATHILDE.....	New York City
ACKER, LOTTA BELLE.....	New York City
AIGUIER, HELEN LOUISE.....	Newark, N. J.
ALEXANDER, LEE FRANCES.....	New York City
ARKENBURGH, GLADYS STOKLEY.....	New York City
ARMSTRONG, MAUD ELIZABETH.....	(Bklyn) New York City
ARON, BEATRICE MARGUERITE.....	Englewood, N. J.
BAAR, MAY DOROTHY.....	New York City
BALDWIN, LILA GILBERT.....	Bloomfield, N. J.
BARROWS, WINIFRED.....	Greenwich, Conn.
VOM BAUR, EVA ELISE.....	New York City
BLACK, FLORENCE ATWOOD.....	(Bklyn) New York City
BOAS, HELENE MARIE.....	New York City
BOYD, MARION ALICE.....	(Br) New York City
BUGBEE, EMMA.....	Methuen, Mass.
CALMAN, DOROTHY.....	New York City

CARROLL, ANTOINETTE LARTIGUE.....	(Bklyn) New York City
CASSEBEER, EDNA MARIE.....	Mt. Vernon, N. Y.
CHILDS, RUTH.....	New York City
COCHRAN, JESSIE ISABELLE.....	New York City
CONNER, LESLIE.....	Belleville, N. J.
COWEN, MABEL IRENE.....	New York City
DANN, MARGIE ELIZABETH.....	Bloomfield, N. J.
DEMAREST, MARY CELIA.....	Nanuet, N. Y.
DEMPSEY, JOSEPHINE AGNES VANDERWOORT.....	(Bklyn) New York City
DREYER, HELEN CAROLINE.....	(Bklyn) New York City
ERNST, FLORENCE CORNELIA.....	New York City
FALK, HANNAH CAROLYN.....	New York City
FOX, ELIZABETH FREEMAN.....	(Bklyn) New York City
FRINK, MARGARET HUDDLESTON.....	New York City
GAY, ELEANOR.....	New York City
GODLEY, MARY FRANCES.....	(Q) New York City
GOLDBERG, JULIA.....	New York City
GOODWIN, ETHEL LIZZIE.....	New York City
GRANT, ALICE CATHERINE.....	Yonkers, N. Y.
HALL, THEODORA.....	Mt. Vernon, N. Y.
HASTINGS, ELINOR ISABEL.....	New York City
HEBBERD, EMMA ANTOINETTE.....	(Bklyn) New York City
HEDLEY, HILDA WARREN.....	(Br) New York City
HELLIN, ESTHER BELLE.....	New York City
HOCHHEIMER, RITA.....	New York City
HODSDON, ETHEL WENTWORTH.....	Jersey City, N. J.
HOLM, ANNA SOPHIE.....	Perth Amboy, N. J.
HORAN, ELOISE NELLA.....	New York City
HOYT, HELEN SARAH.....	Nutley, N. J.
HUBBARD, JENNIE FIELDS WARREN.....	Bloomfield, N. J.
INGALLS, FRANCES MAY.....	New York City
IVIMBY, ETHEL MARGUERITE.....	(Br) New York City
JACOBY, DOROTHY COOKE.....	New York City
JAGGARD, ALICE GRANGER.....	(Bklyn) New York City
KAUFMANN, JEANETTE HELLMAN.....	New York City
KENNEY, MARGARET FRANCES.....	Plainfield, N. J.
KERR, LOIS.....	Englewood, N. J.
KLOSTER, VERA ELEANOR.....	(Bklyn) New York City
KUPFER, VERE BELLE.....	New York City
LEE, OLGA.....	New York City
LEERBURGER, BERENICE.....	New York City
LEVY, JESSIE.....	New York City
LEVY, ROSE ADELAIDE.....	New York City
LOGAN, UNA.....	(Br) New York City
MCLEAN, MYRA.....	Detroit, Mich.
MAYER, ALICE.....	New York City
MILLER, EUNICE HOTALING.....	New York City
NEWBOLD, HELEN.....	Jersey City, N. J.
O'BRIEN, JOSEPHINE GERTRUDE.....	(Bklyn) New York City
OPPENHEIM, ELLA.....	New York City
PHILLIPS, EDNA.....	New York City
PHILLIPS, HELEN SARAH.....	New York City
RATHGEN, MARIE-LOUISE.....	New Rochelle, N. Y.
RICH, NELLIE EDNA.....	Mt. Vernon, N. Y.
RICH, SOPHIE JULIA.....	New York City
RICHARDSON, ADELAIDE.....	(Br) New York City
RILKE, OLGA EMMA.....	(Br) New York City
RIORDON, ANTOINETTE.....	New York City

ROME, SARA.....	(Bklyn) New York City
ROSENFELDER, FANNIE.....	Louisville, Ky.
SCALES, EDNA REBECCA.....	Jersey City, N. J.
SCHUEER, HELEN GERTRUDE.....	Mt. Vernon, N. Y.
SCHLESINGER, MILDRED DESHON.....	Yonkers, N. Y.
SEGUINE, EDITH CHRISTINE.....	(R) New York City
SHAW, ESTHER.....	Mt. Vernon, N. Y.
SILBERNAGEL, LILLIAN.....	New York City
SMITH, DEAN FLORENCE.....	Savannah, Ga.
SMITH, ELSIE.....	Mt. Vernon, N. Y.
SMITHERS, ADELAIDE ELLEN.....	New York City
SMITHERS, HERLINDA GENEVIEVE.....	New York City
STARK, MAY BELLE.....	New York City
SWENSON, MARY ELIZABETH.....	(Q) New York City
TALPEY, EDITH MAY.....	New York City
THOMPSON, LUCY IRENE.....	New York City
TIFFANY, JULIA DE FOREST.....	New York City
TIFFANY, LOUISE COMFORT.....	New York City
TOMPKINS, EDNA ADELE.....	Upper Montclair, N. J.
TURNBULL, LAURA SHEARER.....	Tuckahoe, N. Y.
VER PLANCK, GEORGIA ANNA.....	White Plains, N. Y.
WELLS, HILDA ELIZABETH.....	(Q) New York City
WESTAWAY, LOIS BESSIE.....	(Bklyn) New York City
WESTON, ETHEL GENEVIEVE.....	New York City
WOLF, FLORENCE.....	New York City
WOODHULL, MILDRED.....	New York City
WYETH, FLORENCE.....	New York City
WYLIE, JENNIE DWIGHT.....	New York City
ZANGLER, ELIZABETH.....	Croton-on-Hudson, N. Y.

Freshmen—Class of 1909..... 103

MATRICULATED SPECIAL STUDENTS

BROWN, BESSIE KENT.....	Cozad, Neb.
CAMERON, SAMUELLA.....	New York City
CHAPIN, NELLY PITTS.....	Brandon, Vt.
CLOSSON, LILIAN WADSWORTH.....	Orange, N. J.
CORNISH, CHARLOTTE HARRISON.....	Gillette, N. J.
HAYS, ALMA LAURA.....	New York City
HERRMANN, LILLIE CAROLINE.....	New York City
KOLFF, LOUISE.....	New York City
LEE, EUGENIA CONVERSE.....	Stafford Springs, Conn.
MITCHELL, PEARL BEATTIE (Mrs. G. L. MITCHELL).....	New York City
MONTAGUE, NELLIE WEYMOUTH (Mrs. W. P. MONTAGUE).....	New York City
SMITH, JULIA PRATT.....	New York City
STANTON, PRISCILLA DIXON.....	New York City
VAN ALSTYNE, ELEANOR VAN NESS.....	North Chatham, N. Y.

Matriculated Special Students..... 14

NON-MATRICULATED SPECIAL STUDENT

THOMSON, EDITH SYDNOR.....	Atlanta, Ga.
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Non-matriculated Special Student..... 1

SUMMARY

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Special Students:		
Matriculated.....	14	
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	<hr/>	15
		<hr/>
University Students.....	371	
Teachers College Students.....	49	
	<hr/>	87
Total.....		507

TEACHERS COLLEGE

TRUSTEES

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NEWBOLD MORRIS, *Secretary*

MISS GRACE H. DODGE, *Treasurer*

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PETER B. OLNEY

B. TALBOT B. HYDE

JOSEPH MILBANK

SETH LOW, LL.D.

MISS ANNIE B. JENNINGS

JAMES SPEYER

ARCHER M. HUNTINGTON, A.M.

MRS. FREDERICK F. THOMPSON

JAMES E. RUSSELL, LL.D.

NICHOLAS MURRAY BUTLER, LL.D.

Litt.D. (Oxon.)

ROBERT C. OGDEN, LL.D.

WALTER H. PAGE, LL.D.

HOWARD VAN SINDEREN

FRANK R. CHAMBERS

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Dean of Teachers College

SAMUEL TRAIN DUTTON, A.M.,

Superintendent of the Teachers College Schools

CLYDE FURST, A.M.,

Secretary of the Faculty

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College Physician

FREDERICK A. GOETZE, M.Sc.,

Superintendent of Buildings and Grounds

LUCETTA DANIELL,

Directress

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Librarian of the University

ELIZABETH G. BALDWIN,

Librarian in Charge of Bryson Library

RUDOLF TOMBO, Jr., Ph.D.,

Registrar of the University

LOUIS F. SNOW, Ph.D.,

Registrar of Teachers College

CHARLES H. FARNSWORTH,
Organist
ISABELLE L. PRATT,
Appointment Secretary
HARRIET HAWLEY,
Secretary to the Dean
JANE BERGER,
Assistant Secretary
THEODORA GEORGE,
Assistant Registrar

Officers of the Faculty

JAMES EARL RUSSELL, Ph.D., LL.D. *Dean and ex-officio Member of
the University Council*
CLYDE FURST, A.M. *Secretary*
GONZALEZ LODGE, LL.D. *Elected Delegate to the University Council*

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., Litt.D. (Oxon.) . . . *President*
FREDERICK REMSEN HUTTON, E.M., Ph.D., Sc.D. *Professor of
Mechanical Engineering*
JOHN FRANCIS WOODHULL, Ph.D. *Professor of Physical Science*
J. McKEEN CATTELL, Ph.D. *Professor of Psychology*
FRANKLIN THOMAS BAKER, A.M. *Professor of English*
EDWARD HOWARD CASTLE, A.M. *Professor of History*
RICHARD ELWOOD DODGE, A.M. *Professor of Geography*
CHARLES EARL BIKLÉ, A.M. *Adjunct Professor of Mathematics*
JAMES EARL RUSSELL, Ph.D., LL.D. *Barnard Professor of Education*
FRANCIS ERNEST LLOYD, A.M. *Adjunct Professor of Biology*
HELEN KINNE *Professor of Domestic Science*
MARY SCHENCK WOOLMAN *Professor of Domestic Art*
VIRGIL PRETTYMAN, A.M., Ph.D. *Principal of the Horace Mann
High School*
FRANK MORTON McMURRY, Ph.D. *Professor of Elementary Education*
CHARLES RUSSELL RICHARDS, B.S. *Professor of Manual Training*
PAUL MONROE, Ph.D. *Professor of the History of Education*
SAMUEL TRAIN DUTTON, A.M. *Professor of School Administration*
GONZALEZ LODGE, Ph.D., LL.D. *Professor of Latin and Greek*
EDWARD LEE THORNDIKE, Ph.D. *Professor of Genetic Psychology*
CHARLES HUBERT FARNSWORTH *Adjunct Professor of Music*
DAVID EUGENE SMITH, Ph.D., LL.D. *Professor of Mathematics*
THOMAS DENISON WOOD, M.D. *Professor of Physical Education*
FREDERICK J. E. WOODBRIDGE, A.M., LL.D. *Johnsonian Professor
of Philosophy*
JULIUS SACHS, Ph.D. *Professor of Secondary Education*
CLYDE FURST, A.M. *Secretary of the Faculty*

ELIJAH WILLIAM BAGSTER-COLLINS, A.M.....	<i>Adjunct Professor of German</i>
LOUIS ROUILLION, A.M.....	<i>Adjunct Professor of Manual Training</i>
MAURICE ALPHEUS BIGELOW, Ph.D.....	<i>Adjunct Professor of Biology</i>
FREDERICK HENRY SYKES, Ph.D.....	<i>Director of Extension Teaching</i>
HENRY CARR PEARSON, A.B.....	<i>Principal of the Horace Mann Elementary School</i>
GEORGE L. MEYLAN, M.D.....	<i>Adjunct Professor of Physical Education</i>
HERMAN T. VULTÉ, Ph.D.....	<i>Adjunct Professor of Domestic Science</i>
JOHN ANGUS MACVANNEL, Ph.D...	<i>Adjunct Professor of the Philosophy of Education</i>
ARTHUR WESLEY DOW.....	<i>Professor of Fine Arts</i>
JOHN DEWEY, Ph.D., LL.D.....	<i>Professor of Philosophy</i>

Other Officers of Instruction

CHARLES PRENTICE BENNS, M.E.....	<i>Instructor in Machine Work</i>
CHARLES CONRAD SLEFFEL.....	<i>Instructor in Forging</i>
CHARLES WILLIAM WEICK, B.S.....	<i>Instructor in Wood-Working</i>
LOUIS GASPARD MONTÉ.....	<i>Instructor in Fine Arts</i>
MAUD MARCH.....	<i>Instructor in Physical Education</i>
MARY BEALS VAIL.....	<i>Instructor in Domestic Science</i>
WILLIAM H. NOYES, A.M.....	<i>Instructor in Manual Training</i>
NAOMI NORSWORTHY, Ph.D....	<i>Instructor in Educational Psychology</i>
MARY BACKUS HYDE.....	<i>Instructor in Manual Training</i>
CAROLINE ELEANOR MEHAN.....	<i>Instructor in Music</i>
HELEN PLACE.....	<i>Instructor in Music</i>
WILLIAM McCASTLINE, M.D.....	<i>Instructor in Physical Education</i>
CAROLINE CRAWFORD.....	<i>Instructor in Physical Education</i>
KATE McMAHON.....	<i>Principal of Kindergarten</i>
CLARA BARBARA KIRCHWEY.....	<i>Instructor in Geography</i>
GRACE CORNELL.....	<i>Instructor in Fine Arts</i>
MAY BELLE VAN ARSDALE, B.S.....	<i>Instructor in Physical Science</i>
HELEN GASTON.....	<i>Instructor in Fine Arts</i>
MARSHAL FRY.....	<i>Instructor in Fine Arts</i>
EDGAR FAUVER, A.B.....	<i>Instructor in Physical Education</i>
HARRIETTE MILLS.....	<i>Instructor in Kindergarten</i>
GEORGE DRAYTON STRAYER, Ph.D.	<i>Instructor in Elementary Education</i>
WILLIAM SKARSTROM, M.D.....	<i>Instructor in Physical Education</i>
ANNA LOWELL ALLINE.....	<i>Lecturer in Hospital Economics</i>
AZULAH JULIA LATHAM, A.B.....	<i>Lecturer in Voice Culture</i>
LOUISE CHRISTINE SUTHERLAND.....	<i>Tutor in Kindergarten</i>
HELEN MARION DAY.....	<i>Tutor in Domestic Science</i>
ELIZABETH SAGE.....	<i>Tutor in Domestic Art</i>
PAUL HAWORTH, A.M.....	<i>Tutor in History</i>
RICHARD THAYER HOLBROOK, Ph.D.....	<i>Tutor in French</i>
JOHN DRISCOLL FITZGERALD, A.B.....	<i>Tutor in French</i>

FRANCES ELBERTINE McRAE, B.S.....	<i>Tutor in Physical Science</i>
ANNA M. COOLEY, B.S.....	<i>Tutor in Domestic Art</i>
MARGARET MAUD ZERBE.....	<i>Tutor in Music</i>
WYLLYSTINE GOODSSELL, B.S.....	<i>Tutor in the History of Education</i>
ALLAN WESTCOTT, A.M.....	<i>Tutor in English</i>
ALETTA VAN WYCK SCHENCK.....	<i>Assistant in Domestic Art</i>
MATILDA GARRETSON REA.....	<i>Assistant in Domestic Art</i>
ELIZA BENTON.....	<i>Assistant in Domestic Science</i>
CLIFFORD UPTON, A.B.....	<i>Assistant in Mathematics</i>
ELIZABETH BURCHENAL, B.L.....	<i>Assistant in Physical Education</i>
CHESTER ARTHUR MATHEWSON, B.S.....	<i>Assistant in Biology</i>
MARY THEODORA WHITLEY.....	<i>Assistant in Educational Psychology</i>
LOUISE FISHER.....	<i>Assistant in Physical Education</i>
DAVID SAMUEL SNEDDEN, M.A.....	<i>Assistant in Educational Administration</i>
EDWARD J. THATCHER, B.S.....	<i>Assistant in Manual Training</i>

Lecturers

RICHARD MORSE HODGE, D.D.....	<i>Lecturer in Biblical Literature</i>
SUSAN E. BLOW.....	<i>Lecturer in Kindergarten</i>
LAURA E. FISHER.....	<i>Lecturer in Kindergarten</i>
PATTY S. HILL.....	<i>Lecturer in Kindergarten</i>
JAMES SULLIVAN, Ph.D.....	<i>Lecturer in History</i>
ADA M. LOCKE.....	<i>Lecturer in Kindergarten</i>

TEACHERS COLLEGE SCHOOLS

Officers of Administration

JAMES E. RUSSELL, Ph.D., LL.D.,	<i>Dean</i>
SAMUEL T. DUTTON, A.M.,	<i>Superintendent</i>

Horace Mann Schools

VIRGIL PRETTYMAN, A.M., Pd.D.....	<i>Principal of High School</i>
HENRY CARR PEARSON, A.B.....	<i>Principal of Elementary School</i>
KATE McMAHON.....	<i>Principal of Kindergarten</i>
ALICE STIMSON, A.B.....	<i>School Secretary</i>
MARION ROOT PRATT.....	<i>Secretary</i>
MARTHA McLEAR.....	<i>Secretary to Principal of High School</i>
CORA MAY GEER.....	<i>Secretary to Principal of Elementary School</i>
VALERIA INEZ MORRILL.....	<i>Library Custodian</i>

Speyer School

AMY SCHÜSSLER.....	<i>Principal</i>
HOWARD B. WOOLSTON, A.M., B.D.....	<i>Director Night School and Neighborhood Work</i>
LAURA VALENTINE.....	<i>Secretary and Librarian</i>

Instructors and Assistants in Horace Mann Schools

EUGÉNIE MENUT.....	<i>French</i>
MAY BELLE VAN ARSDALE, B.S.....	<i>Physics and Chemistry</i>
KATHARINE MOORE COCHRANE, A.B.....	<i>Greek and Latin</i>
CHARLES EARL BIKLÉ, A.M.....	<i>Mathematics</i>
CHARLES MCCOY BAKER, A.M.....	<i>Latin</i>
CHARLES PRENTICE BENNS, M.E.....	<i>Manual Training</i>
FRANK ELBERT BROOKS, A.B.....	<i>French</i>
CHARLES CONRAD SLEFFEL.....	<i>Manual Training</i>
ELIZA RHEES BUTLER, A.B.....	<i>History</i>
CHARLES WEICK, B.S.....	<i>Manual Training</i>
CLARA BARBARA KIRCHWEY.....	<i>Geography</i>
ROLAND HUGH WILLIAMS, B.S.....	<i>Mathematics</i>
MARY BROWNSON GILLMORE, Ph.B.....	<i>History</i>
KATE STUART ANTHONY.....	<i>Domestic Art</i>
FRANCES ELBERTINE MCRAE, B.S.....	<i>Physical Science</i>
LAURA BRAINARD WHITEMORE.....	<i>Domestic Science</i>
CLIFFORD UPTON, A.B.....	<i>Mathematics</i>
ALLAN ABBOTT, A.B.....	<i>English</i>
ELIZABETH BURCHENAL, B.L.....	<i>Physical Education</i>
EDITH RAND, A.B.....	<i>Biology and Nature Study</i>
HELEN B. BAKER, A.B.....	<i>English</i>
OTHO GRANDFORD CARTWRIGHT, A.M.....	<i>History</i>
CÉCILE FREESE.....	<i>French</i>
ALEXANDER JAMES INGLIS, A.B.....	<i>Latin</i>
EMMA LENORE MACALARNEY, A.B.....	<i>English</i>
EGBERT EUGENE MACNARY.....	<i>Manual Training</i>
WILLIAM HELLMUTH GOHDES, A.B.....	<i>German</i>
STELLA WARREN SECREST, A.B.....	<i>Mathematics</i>
EDGAR FAUVER, A.B.....	<i>Physical Education</i>
ELIZABETH M. WHEELOCK.....	<i>Latin and English</i>
MARY EDWARDS CALHOUN.....	<i>English and History</i>
HERMON A. BUSCHEK.....	<i>German</i>
LILLA A. NOURSE.....	<i>Fine Arts</i>
HELEN PLACE.....	<i>Music</i>
GEORGE HOLM.....	<i>Physical Education</i>
JOHN D. NEITZ, A.B.....	<i>Substitute</i>
A. H. GRANT, A.B.....	<i>Latin</i>
WALTER ARNOLD, A.M.....	<i>Latin</i>
F. C. VAN CLEEF, A.B.....	<i>Physical Education</i>
SHIRLEY BARNES.....	<i>Physical Education</i>
MARIAM CHARLOTTE WINCHESTER.....	<i>First Grade</i>
CLARA WHEELER.....	<i>First Grade</i>
EDITH CORNELIA BARNUM.....	<i>First Grade</i>
EVELYN BATCHELDER.....	<i>Second Grade</i>
KATHARINE WELLES.....	<i>Second Grade</i>

MARY HAMMET LEWIS.....	Third Grade
MILDRED IONE BATCHELDER.....	Third Grade
IDA ELIZABETH ROBBINS.....	Fourth Grade
FLORENCE MAY MARSHALL.....	Fourth Grade
MARY GERTRUDE PEABODY.....	Fifth Grade
LAURA BELLE UNDERHILL.....	Fifth Grade
IRMA WING.....	Fifth Grade
SUSAN ADELE LATHROP, A.B.....	Sixth Grade
MARY FREDERIKA KIRCHWEY.....	Sixth Grade
SIEGFRIED MARIA UPTON.....	Sixth Grade
CAROLINE WOODBRIDGE HOTCHKISS.....	Seventh Grade
LILLIAN EMILY ROGERS.....	Seventh Grade
GEORGIA FARRAND BACON, B.S.....	Seventh Grade
E. W. BAGSTER-COLLINS.....	German
LUCY HESS WEISER.....	Manual Training
MARIE KARCHER BROOKS.....	French
MARY C. UPHAM.....	Fine Arts
EDWIN FAUVER.....	Physical Education
HELEN NEUPHER.....	Physical Education
ADALENA DENNISTON.....	Assistant
MARION WEBSTER.....	Assistant
LOUISE CHRISTINE SUTHERLAND.....	Kindergarten Teacher
JULIA WADE ABBOTT.....	Kindergarten Assistant

Instructors and Assistants in the Speyer School

HARRIETTE L. MILLS.....	Kindergarten
EDITH BLANCHARD.....	Assistant in Kindergarten
CLARA JAMES.....	First Grade
MARY HORTON.....	Second Grade
LOUISE GLANTON, A.B., B.S.....	Third Grade
MABEL RUSSELL.....	Fourth Grade
BENJAMIN R. ANDREWS, A.M.....	Fifth Grade
RACHEL E. CLOSS, B.S.....	Sixth Grade
CLARA B. HARRIS.....	Seventh Grade
IDA C. CARTER, A.M.....	Eighth Grade
LOUISE M. FISHER.....	Physical Education
MARGARET MAUD ZERBE.....	Music
MIRIAM FINN SCOTT, A.B.....	Resident in Neighborhood Work
ERNEST STAGG WHITIN, A.B.....	Assistant in Neighborhood Work

GENERAL STATEMENT

Teachers College, founded in 1888, and chartered by the Regents of the University of the State of New York in 1889, became, in 1898, a part of the educational system of Columbia University. The President of Columbia University is President, *ex-officio*, of Teachers College, and the College is represented in the University Council by its Dean and a

representative elected from its Faculty. The College meanwhile maintains its separate corporate organization, and its Board of Trustees continues to assume entire financial responsibility for its maintenance.

Teachers College is thus the professional school of Columbia University for the study of education and the training of teachers, taking academic rank with the Schools of Law, Medicine, and Applied Science. It affords opportunity for the professional training, both theoretical and practical, of teachers of both sexes for secondary, grammar, and primary schools, and kindergartens; of special teachers of such technical subjects as Domestic Art, Domestic Science, Fine Arts, Manual Training, Music, and Physical Education; and the preparation of advanced students for work as principals, supervisors, and superintendents of schools; as heads of academic or educational departments in normal and teachers' training schools, and of educational departments in colleges and universities.

The following curricula are offered by the College:

1. A two-years' Professional Curriculum, requiring for entrance the previous completion, at Teachers College or elsewhere, of two years of academic or technical training in advance of the usual requirements for college entrance, leading to the degree of Bachelor of Science in Education and the Bachelor's Diploma in teaching. The work of the curriculum presents certain fundamental courses in educational psychology and the history and principles of education, a major subject of professional and academic work, in any of the twenty-four departments of the College, and a proportion of elective courses chosen at will.

2. Graduate curricula for advanced students leading to the Master's and Doctor's Diplomas in teaching and to the degrees of Master of Arts and Doctor of Philosophy with a major subject in Education. Such curricula provide work in Educational Psychology, the History and Philosophy of Education, Educational Administration, Secondary Education, Elementary Education, and in research in the methods of teaching the various academic and technical subjects, supplemented by courses in other parts of the University. Courses in education may also be counted as minor subjects toward the advanced degrees, by students primarily registered in some other part of the University.

3. A collegiate curriculum of two years. This course may be entered by any student who, having satisfied the requirements for admission to the undergraduate colleges of the University, desires to direct his collegiate studies specifically towards teaching. This course, when followed by a two-years' professional course, leads to the degree of Bachelor of Science.

The curricula for teaching in secondary schools are so arranged that undergraduate students of Columbia College and of Barnard College, and students who are prepared to enter the junior class of either of these colleges, may, if they desire, obtain the diploma

of Teachers College at the time of receiving their degree of Bachelor of Arts.

Teachers who wish to supplement previous professional training are entered into these curricula with advanced standing, or into courses grouped especially for their needs.

The Horace Mann School and the Speyer School, maintained by Teachers College as schools of observation and experiment, include kindergarten, elementary, and secondary classes and neighborhood work, and offer exceptional advantages for the study of the practical work of teaching and for the investigation of educational problems. These schools have now an attendance of some thirteen hundred pupils.

Buildings and Equipment

The buildings of Teachers College occupy the block directly north of the University Campus, bounded by 120th and 121st Streets, Amsterdam Avenue and Broadway.

The Main Building, containing, in addition to its equipment for administration and instruction, the Bryson Library—the educational library of the University—and the Educational Museum, is adjoined by the Milbank Memorial Building, housing a number of academic and technical departments and containing the Memorial Chapel; and by the Macy Manual Arts Building, with its exceptional equipment for the departments of Manual Training and Fine Arts. The Frederick Ferris Thompson Memorial Building for the department of Physical Education connects the Milbank Building on the west with the building of the Horace Mann School. The building of the James Speyer School is a short distance north of the College, on Lawrence Street, near Amsterdam Avenue. Whittier Hall, the residence for the women students of the University, is under the control of Teachers College.

REGISTER OF STUDENTS, 1905-06

Teachers College

Graduate Students

Candidates for the Doctor's Degree and Diploma

The following students are registered also under the Faculty of Philosophy.

- AERY, WILLIAM ANTHONY.....Elmhurst, N. Y.
Columbia University, A.B., 1904.
Teachers College, Bachelor's Diploma, 1904.
Education, American History.
- BALDWIN, ARTHUR POND.....New York City
College of the City of New York, A.B., 1876.
Columbia University, A.M., 1901.
Teachers College, Bachelor's Diploma, 1902.
Education, Sociology.
- BONSER, FREDERICK GORDON.....Pana., Ill.
University of Illinois, B.S., 1901; M.S., 1902.
Indiana University.
Education, Psychology.
- BROOKS, JOHN LEE.....New York City
Southwestern University, Georgetown, Texas, A.M., 1893.
Vanderbilt University, Nashville, Tenn., 1893-1894.
Drew Theological Seminary, B.D., 1900.
Education, Psychology.
- BUCKINGHAM, BURDETTE ROSS.....Westchester, N. Y.
Wesleyan University, A.B., 1899; A.M., 1900
State Normal College, Albany, N. Y., Pd.E., 1901.
Education.
- BUNNELL, ELIZABETH HANKINSON.....Tunkhannock, Pa.
Mt. Holyoke College, A.B., 1894.
Columbia University, A.M., 1902.
Teachers College, Master's Diploma, 1902.
Education, Latin.
- COFFEE, RUDOLPH ISAAC.....New York City
Columbia University, A.B., 1900.
Education, Philosophy.
- COLEMAN, HERBERT THOMAS.....Toronto, Canada
University of Toronto, B.A., 1901.
Education, Comparative Literature.
- CORT, AMBROSE.....New York City
Franklin and Marshall College, A.B., 1892; A.M., 1897.
Education.
- DAVIDSON, PERCY ERWIN.....San Diego, Cal.
Leland Stanford Junior University, A.B., 1898
Harvard University, A.M., 1905.
Education, Psychology, Philosophy.
- DEAN, PHILIP REDFIELD.....Newark, N. J.
Harvard University, A.B., 1896.
Columbia University, A.M., 1904.
Teachers College, Master's Diploma, 1904.
Education.

- DRIEHOUS, IRWIN WILLIAM.....Madisonville, Ohio
University of Cincinnati, B.S., 1900.
Columbia University, A.M., 1905.
Education, Physics.
- EARHART, LIDA BELLE.....Whitewater, Wis.
University of Michigan, A.B., 1901.
Education, Psychology.
- FLETCHER, WILLIAM THOMAS.....Forest Grove, Ore.
Pacific University, B.S., 1900.
Education, Sociology
- HECKERT, JOHN WALTER.....New York City
Hamline University, Ph.B., 1900.
Education, American History.
- HIGHSMITH, JOHN HENRY.....Durham, N. C.
Trinity College, Durham, N. C., A.B., 1900; A.M., 1902.
Education, Ethics.
- JONES, ARTHUR JULIUS.....Minneapolis, Minn.
Iowa College, Grinnell, Iowa, A.B., 1893.
Education, Social Economy.
- LOMER, GERHARD RICHARD.....Montreal, Quebec, Canada
McGill University, B.A., 1903; M.A., 1904.
McGill Normal School, Acad. Diploma.
Education, English.
- LOOK, SAMUEL MILLER.....New York City
Leland Stanford Junior University, A.B., 1895.
Harvard University, A.M., 1903.
Education.
- MANNY, FRANK ADDISON.....New York City
University of Michigan, A.B., 1893; A.M., 1896
Education, Psychology.
- MAYS, VERNON GRIFFITH.....Albion, Mich.
Albion College, Ph.B., 1894.
University of Michigan, A.M., 1905.
Education, Philosophy.
- MEAD, FRANK LINCOLN.....City Island, N. Y.
University of Syracuse, A.B., 1891; A.M., 1894.
Education, Geography.
- MEYER, HENRY H.....Los Angeles, Cal.
German Wallace College, Berea, Ohio, A.B., 1900; A.M., 1903.
Drew Theological Seminary, B.D., 1903.
Education, Psychology.
- RUEDIGER, WILLIAM CARL.....Dillon, Mont.
University of Wisconsin, Ph.B., 1899; Ph.M., 1903.
Education, Psychology, Ethics.
- * SAILER, THOMAS H. POWERS.....Englewood, N. J.
Princeton University, A.B., 1889.
University of Pennsylvania, Ph.D., 1895.
Education.
- SCOTT, IZORA.....New York City
Columbia University, A.B., 1904.
Education, Latin.
- SMITH, ALEXANDER GODFREY.....New York City
Columbia University, A.B., 1900; A.M., 1902.
Psychology, Education, English.
- SNEDDEN, DAVID SAMUEL.....Palo Alto, Cal.
Leland Stanford Junior University, A.B., 1897.
Columbia University, A.M., 1901.
Teachers College, Higher Diploma, 1901.
Education, Social Science, Psychology.
- SNOWDEN, ALBERT ALEXANDER.....Harbor Beach, Mich.
Albion College, Pd.B., 1893-1894.
Michigan State Normal College, Pd.B., 1902.
University of Michigan, A.B., 1902.
Education, Sociology.

* Not a candidate for the degree.

- STAMPER, ALVA WALKER.....Chico, Cal.
University of California, B.S., 1895.
Education, Mathematics.
- STARK, WILLIAM EVERETT.....New York City
Harvard University, A.B., 1895; A.M., 1901.
Education.
- STOWE, ANCEL ROY MONROE.....Chicago, Ill.
Northwestern University, Ph.B., 1903; A.M., 1904.
Harvard University, A.M., 1905.
Education, Philosophy.
- SWENSON, JOHN ROBERT.....Austin, Texas
University of Denver, Colo., A.B., 1896.
University of Texas, A.M., 1904.
Education, Sociology.
- UPDEGRAFF, HARLAN.....Baltimore, Md.
Cornell College, Ph.B., 1894.
Columbia University, A.M., 1898.
Education, Psychology, American History.
- VAN DENBURG, JOSEPH X.....New York City
Wesleyan University, A.B., 1895; A.M., 1898.
Education, Biology.
- WALKER, MARY ADELAIDE BARBOUR (Mrs.).....Savannah, Ga.
Maryland College, A.B., 1898.
Columbia University, B.S., 1904; A.M., 1905.
Education, Modern European History.
- WELLS, HERMAN JAY.....(Jamaica) New York City
Williams College, A.B., 1887.
Columbia University, A.M., 1902.
Education.
- WILLIAMS, JOSEPH ALFRED.....St. Louis, Mo.
Washington University, A.B., 1902
Nevada State University, A.M., 1903.
Education, Philosophy.
- ZUMBRO, WILLIAM MICHAEL.....Madura, So. India
Western College, Toledo, Iowa, A.B., 1888.
University of Michigan, A.M., 1889.
Yale University, B.D., 1893.
Education.

Candidates for the Master's Degree and Diploma

The following students are registered also under the Faculty of Philosophy.

- ANTHONY, HETTIE M.....Maryville, Mo.
Missouri State University, A.B., 1901.
Education, Domestic Science, Social Economy.
- AREY, AMY.....Cedar Falls, Iowa
Iowa College, Ph.B., 1899.
Columbia University, B.S., with Elementary Diploma, 1905.
Education, Sociology.
- AUSLANDER, ARMIN.....New York City
College of the City of New York, A.B., 1902.
Education.
- BARNETT, ISADORE IRVING.....New York City
College of the City of New York, A.B., 1903.
Education.
- BELLER, WILHELMINA CATHERINE.....New York City
Teachers College, Higher Diploma, 1902.
Columbia University, B.S., 1904.
Education, English.
- BENEDICT, SUZAN R.....Norwalk, Ohio
Smith College, B.S., 1895.
Education, Mathematics.

- BLISS, DON CARLOS.....Kearny, N. J.
Dartmouth College, A.B., 1892; A.M., 1894.
Education.
- BODKIN, AMY MAUD.....The Cloisters, Chelmsford, England
University College, Wales, B.A., 1899; M.A., 1902.
Education.
- * BOLLERT, MINNIE LOUISE.....New York City
Education.
- BRINCKERHOFF, MARY LOUISE.....Mt. Vernon, N. Y.
Vassar College, A.B., 1899.
Education, English.
- † BROWN, UDETTA DOTY.....New York City
Wellesley College, A.B., 1903.
Education, French.
- BRYAN, FREDERICK JOSEPH.....(Bklyn) New York City
College of St. Nicholas, Switzerland, A.B., 1889.
Education.
- BURRUSS, JULIAN ASHBY.....Richmond, Va.
Virginia Polytechnic Institute, B.S., 1898.
Education, Anthropology.
- CARLSON, CARL OSCAR.....New York City
College of the City of New York, B.S., 1896.
Education, English.
- CARRIS, LEWIS HERBERT.....Freeport, L. I.
Hobart College, B.L., 1898.
Education.
- COHN, LOUIS BENJAMIN.....New York City
College of the City of New York, A.B., 1903.
Education.
- COLEMAN, ANNA ALOYSIUS.....Pelham Manor, N. Y.
Trinity College, Washington, D.C., A.B., 1904.
Education.
- DAVIS, WILLIAM HAWLEY.....Frazer, Pa.
Harvard University, A.B., 1905.
Education.
- DODD, FREDERICK FERRISS.....New Milford, Conn.
Yale University, A.B., 1905.
Education.
- DONNELLY, MARGUERITE KAUGHEAN.....New York City
Barnard College, A.B., 1905.
Education.
- EISENMANN, MAX JAMES.....New York City
College of the City of New York, A.B., 1902.
Education.
- FRIEND, LLOYD L.....Keyser, W. Va.
West Virginia University, A.B., 1891.
Education, English.
- GARDNER, FRANK ARTHUR.....San Francisco, Cal.
Worcester Polytechnic Institute, B.S., 1890.
Education, Mathematics.
- GARRETY, WILLIAM PLYMON.....New York City
College of the City of New York, B.S., 1897.
New York Training School for Teachers, 1898-1900.
Education.
- GLADDING, GLADYS.....Norwich, N. Y.
Wellesley College, B.A., 1904.
Education, English, Philosophy.
- HART, NINA.....New York City
Vassar College, A.B., 1904.
Education, Philosophy.

* Not a candidate for the degree.

† Also a candidate for the diploma in Elementary Teaching.

- HENDERSON, JOSEPH LINDSEY.....Tyler, Texas
University of West Virginia, B.A., 1894.
Education, Psychology.
- HEYDRICK, BENJAMIN ALEXANDER.....New York City
Allegheny College, A.B., 1893.
Harvard University, A.B., 1895.
Education, English.
- HIBBARD, FRANCES HENRIETTA.....Montreal, Canada
Columbia University, B.S., 1905.
Education, Philosophy.
- HILL, HELEN.....Poughkeepsie, N. Y.
Vassar College, A.B., 1905.
Education, Social Economy.
- IRVING, BERTHA AUGUSTA.....New Brighton, S. I.
Smith College, B.L., 1904.
Education, Medieval History.
- JOERG, WOLFGANG.....(Bklyn) New York City
Thomasgymnasium, Leipzig, Germany, A.B., 1904.
School of Applied Science, Columbia University.
Education.
- JOHNSON, ARTHUR LACEY.....Cranford, N. J.
Lafayette College, B.S., 1896; M.S., 1899.
Education, Psychology.
- JOHNSON, FRANK CLINTON.....Boscawan, N. H.
Dartmouth College, A.B., 1897.
Education, Psychology.
- KALB, JOHN ALBERT.....Milburn, N. J.
Johns Hopkins University, A.B., 1899.
Education.
- KINNISON, EFFIE.....Ligonier, Ind.
Northwestern University, Ph.B., 1903.
Education.
- * KNAPP, EZRA CHARLES.....Hartford, Conn.
Education.
- LANE, WILLIAM KINGSBURY.....(Bklyn) New York City
Williams College, A.B., 1901.
Education, Mathematics.
- LEUCHS, MAXIMILIAN JOHN CHRISTIAN.....New York City
College of the City of New York, A.B., 1903.
Education.
- LOTT, HENRY C.....Elk Rapids, Mich.
Michigan State Normal College, M.Pd., 1902.
Education, Sociology.
- MCGILL, FRANKLIN CLARK.....Claysville, Pa.
Washington and Jefferson College, A.B., 1897.
Education, Ethics.
- McKNIGHT, JOSEPH ALDEN.....Stanberry, Mo.
Northwestern Normal College, B.S., 1893; A.B., 1894.
Education, German, Philosophy.
- McNAMARA, EDWARD JOSEPH.....(Bklyn) New York City
Manhattan College, B.A., 1904; M.A., 1905.
Education, Psychology.
- * MACDONALD, HELEN SARAH GRANT.....Toronto, Canada
University of Toronto, A.B., 1898; M.A., 1905.
Education.
- MANNING, JOHN THOMAS.....(Br) New York City
Manhattan College, A.B., 1893.
New York Law School, LL.B., 1897.
Education, English.

* Not a candidate for the degree.

- MARSHALL, JAMES FRANCIS.....(Br) New York City
College of the City of New York, A.B., 1903.
Education.
- MASSELL, ALEXANDER SASHE.....New York City
College of the City of New York, B.A., 1902.
Education.
- MATHEWSON, CHESTER ARTHUR.....Cincinnati, Ohio
Columbia University, B.S., 1905.
Education, Zoology, Botany.
- MAXWELL, CHARLES R.....Waitsfield, Vt.
Columbia University, B.S., 1905.
Education, Social Economy.
- MISCHLICH, ADOLPH.....New York City
College of the City of New York, B.S., 1879.
Education.
- MOSES, JOSEPH.....New York City
University of Cincinnati, A.B., 1894.
Education, German, English.
- NAKAMURA, TAIRA.....Matsumoto, Japan
Leland Stanford Junior University, A.B., 1905.
Education, Sociology.
- NEWMAN, CHARLES AUGUSTUS PAUL.....New York City
College of the City of New York, A.B., 1900.
Education, Modern European History.
- NORTHROP, EVELYN HOPE.....Westminster, Md.
Mt. Holyoke College, A.B., 1896.
Education, Physical Science.
- OBER, ALICE MAY.....Nashua, N. H.
Smith College, A.B., 1905.
Education, Domestic Science.
- OLLER, MARIE.....New York City
Smith College, B.L., 1903.
Education.
- PALMER, HERRIOTT CLARE.....Franklin, Ind.
Franklin College, B.S., 1889; Ph.M., 1897.
Education, American History.
- PIERSON, HARRY.....Ridgefield Park, N. J.
Lebanon University, A.B., 1900.
Education.
- PITOU, ELSIE ELIZABETH.....(Bklyn) New York City
Vassar College, A.B., 1905.
Education, Mathematics.
- PRENTIS, HALLY MORRISON.....(Bklyn) New York City
University of Missouri, A.B., 1905.
Education, English.
- PROCTOR, ROBERT HUNTINGTON.....New York City
Columbia University, B.S., 1903.
Education, Physical Science, Mathematics.
- * RAFFERTY, WILLIAM B.....Port Richmond, S. I.
St. Lawrence University, A.B., 1890.
Education.
- REYNOLDS, IONE ARMENIA.....New York City
Syracuse University, Ph.B., 1900.
Education, English, Mathematics.
- ROOP, MARCUS J.....Ridgefield, N. J.
Heidelberg College, Tiffin, Ohio, A.B., 1893; A.M., 1896.
New Brunswick Theological Seminary, B.D., 1896.
Education, English Philosophy.

* Not a candidate for the degree.

- ROOT, WILLIAM DARWIN.....Berkeley, Cal.
University of California, A.B., 1902.
Education, American History.
- SEC, FONG FOO.....Sen-Ning, Kwang-Tung, China
University of California, B.L., 1905.
Education, English.
- SHARLITT, MICHAEL.....New York City
College of the City of New York, A.B., 1903.
Education, English.
- SILBERSTEIN, NATHAN.....New York City
Columbia University, A.B., 1905.
Education, Mathematics.
- STAHL, GEORGE FREDERICK.....(Br) New York City
College of the City of New York, B.S., 1897.
Education.
- STIMSON, LUCILE HINKLE.....New York City
Vassar College, A.B., 1904.
Education, Social Economy, Domestic Science.
- STONE, CLIFF WINFIELD.....Oshkosh, Wis.
Columbia University, B.S., 1904.
Education, Philosophy.
- STOTLAR, ALBERT.....Boston, Mass.
Boston University, A.B., 1898.
Education, Philosophy.
- SUGARMAN, ARTHUR M.....New York City
College of the City of New York, A.B., 1900.
Education, English.
- THOMSON, ANNA SPECK.....Thomson, Ky.
Smith College, B.S., 1901.
Education, Zoology.
- TURNER, EDWIN ARTHUR.....Connerville, Ind.
Indiana State University, A.B., 1905.
Education, Sociology.
- UTTER, GRACE LILLIAN.....(Bklyn) New York City
Vassar College, A.B., 1902.
Teachers College Diploma, 1904.
Education, Latin.
- VAN WAGENERN, FLORENCE.....Oxford, N. Y.
Wellesley College, A.B., 1903.
Education, English.
- VAUGHN, SARA JANE.....Stamford, N. Y.
Smith College, A.B., 1905.
Education, Mathematics.
- WELLER, LEROY.....Fort Plain, N. Y.
Wesleyan University, A.B., 1899.
Education, Sociology.
- WILKINSON, EDITH.....Chicago, Ill.
Wellesley College, A.B., 1888.
Education, Psychology.
- WOODWARD, SARAH JONES.....Concord, N. H.
Wellesley College, A.B., 1905.
Education, Greek.
- ZABRISKIE, EDWARD CORNELL.....New York City
College of the City of New York, B.S., 1903.
Education.

SENIOR CLASS

- § ACKEN, EVA ADALENE (*Secondary Teaching*).....(Bklyn) New York City
State Normal School, Jamaica, N. Y., 1900-1903.

§ Also a candidate for the B.S. degree.

- ALLAN, AGNES CECILIA (*Music*).....Boston, Mass.
- § ALTERTON, MARGARET (*Elementary Supervision*).....Minneapolis, Minn.
State Normal School, Chicago, Ill., 1898.
State Normal School, Winona, Minn., 1899.
- AMBROSE, EDITH MARGARET (*Hospital Economics*).....Shubenacadie, N. S.
Presbyterian Hospital, New York City, 1894.
Teachers College, Hospitals Economics Certificate, 1905.
- § ANDERSON, SUSIE FARLEY (*Secondary Teaching*).....Union Springs, N. Y.
State Normal School, Brockport, 1902.
- ASH, LILLIE MAY (*Domestic Science*).....Athens, Ga.
Georgia Normal and Industrial College, Milledgeville, Ga., 1901.
- § ASHCROFT, CARRIE VAN RENSSELAER (*Physical Education*).....St. Louis, Mo.
Normal School, St. Louis, 1889.
- § AVENT, JOHN (*Secondary Teaching*).....New York City
New York Training School for Teachers, 1903.
- § BACK, LILIAN (*Kindergarten*).....East Orange, N. J.
- BARRIS, ELIZABETH LOVERING (*Fine Arts*).....Davenport, Iowa
- § BASSETT, HARRY KENDALL (*Secondary Teaching*).....New York City
State Normal School, Oshkosh, Wis., 1899.
- || BELL, FLORENCE EMILY (*Secondary Teaching*).....Flushing, N. Y.
- BERRY, HOWARD B. (*Manual Training*).....Clarence Center, N. Y.
- § BINZEL, ALMA LOUISE (*Kindergarten Supervision*).....Beaver Dam, Wis.
State Normal School, Milwaukee, Wis., 1894.
- || BLACKBURN, LOUISE POWELL (*Secondary Teaching*).....Baltimore, Md.
- § BLACKFORD, GAY ROBERTSON (*Elementary Teaching*).....East Orange, N. J.
- BLACKMAN, EDITH (*Domestic Science*).....New York City
School of Domestic Science, Boston, 1904.
- ** BLOOD, ANNAH PRENTICE.....New York City
State Normal School, Salem, Mass., 1881.
- BOICE, CARRIE LOUISA (*Domestic Art*).....Kennett Square, Pa.
State Normal School, West Chester, Pa., 1887-1889.
- ** BOONE, CHESHIRE LAWTON.....Montclair, N. J.
Michigan State Normal School.
- || BRANDS, CARL (*Secondary Teaching*).....Paterson, N. J.
- § BRATTON, ETHEL CHARLOTTE (*Elementary Supervision*).....Williamstown, Mass.
State Normal School, Oswego, N. Y., 1899.
- || BRAUTIGAM, ELIZABETH RANDALL (*Secondary Teaching*).....East Orange, N. J.
- § BRONNER, GUSSIE FOX (*Elementary Teaching*).....Louisville, Ky.
Louisville Normal School, Louisville, Ky., 1901.
- BROOKS, ANNA PAMELA (*Fine Arts*).....Redlands, Cal.
Tabor College, Tabor, Iowa, A.B., 1897.
Boston University, A.B., 1897.
- § BROOMELL, BERTHA LILLIAN (*Secondary Teaching*).....Baltimore, Md.
Swarthmore College, B.S., 1894.
- || BROWN, FRANK CORNISH (*Secondary Teaching*).....New York City
- § BROWN, MARY ANNA (*Secondary Teaching*).....Plattekill, N. Y.
State Normal School, New Paltz, N. Y., 1894.
- || BROWNE, MABEL EMMA (*Secondary Teaching*).....(Bklyn) New York City
- || BRUCE, JENNIE MAY (*Secondary Teaching*).....Jersey City, N. J.
- || BRUCE, MURRAY (*Secondary Teaching*).....(Bklyn) New York City
- § BURKE, DANIEL LAURENCE (*Secondary Teaching*).....Winthrop, N. Y.
State Normal School, Potsdam, N. Y., 1901.

§ Also a candidate for the B.S. degree. || Also a candidate for the A.B. degree.

** Candidate for the B.S. degree only.

- ¶ CAROLINE, HYMAN C. (*Secondary Teaching*).....New York City
- § CARTER, HARRIET IRENE (*Elementary Teaching*).....Hornellsville, N. Y.
Normal School, Buffalo, N. Y., 1892.
- CASHEN, MOLLIE (*Fine Arts*).....Meriden, Conn.
Yale School of Fine Arts, New Haven, Conn., 1900-1903.
- § CHAPMAN, EDITH D. (*Kindergarten*).....Jamaica, N. Y.
- ¶ CHAPMAN, EMMA AUGUSTA (*Secondary Teaching*).....Jersey City, N. J.
- § CHAPMAN, JESSAMINE MAY (*Domestic Science*).....Brockport, N. Y.
State Normal School, Brockport, N. Y.
- ** CHENEY, GEORGE WALKLEY.....(Bklyn) New York City
State Normal School, Jamaica, N. Y., 1899-1902.
State Normal School, New Paltz, N. Y., 1902-1903.
Teachers College, Diploma, 1905.
- ¶ CHIPPERFIELD, FAITH DELATOUR (*Secondary Teaching*).....New York City
- CHRISMAN, M. BERTHA (*Domestic Science*).....Harrisburg, Pa.
State Normal School, Bloomsburg, Pa., M.E., 1890.
- § CLARE, MARY ELEANOR (*Secondary Teaching*).....New York City
Normal College of the City of New York, 1889.
- ** CLARK, ANNA MANSFIELD.....Salisbury, Conn.
Teachers College, Elementary Diploma, 1904.
- § CLARKE-SMITH, LINDA (*Secondary Teaching*).....New York City
University of Rome, Italy, 1902-1904.
- ¶ COHEN, AMELIA (*Secondary Teaching*).....(Bklyn) New York City
- § COLEMAN, LAURA E. GANNT (*Secondary Teaching*).....Carrollton, Ga.
State Normal and Industrial College, Milledgeville, Ga., 1902.
- ¶ CONDIT, JESSIE PARSONS (*Secondary Teaching*).....East Orange, N. J.
- COWLES, INA FOOTE (*Domestic Art*).....Lawrence, Kan.
State Agricultural College, Manhattan, Kan., B.Sc., 1901.
- § CRANE, ELLA E. (*Secondary Teaching*).....Flushing, L. I.
State Normal School, Geneseo, N. Y., 1887.
- § CROWELL, ANNIE STURGIS (*Secondary Teaching*).....South Yarmouth, Mass.
State Normal School, Hyannis, Mass., 1902.
- ¶ DARRIN, CATHERINE ELIZA (*Secondary Teaching*).....Addison, N. Y.
- DAVIDSON, MARY ELIZABETH SPENCE (*Elementary Teaching*).....New York City
New York Normal College.
- § DEACON, HELEN GRAZIELLA (*Domestic Science*).....New York City
- § DEAN, MARTHA ELIZABETH (*Fine Arts*).....Hastings-on-Hudson, N. Y.
- DEETER, LILE GEORGE (*Domestic Science*).....Mechanicsburg, Pa.
Dickinson College, Carlisle, Pa., 1896-1897.
Boston Cooking School, Boston, Mass., 1902.
- § DE GRAFF, FORREST ALLISON (*Secondary Teaching*).....Holley, N. Y.
State Normal School, Brockport, N. Y., 1898.
- DENNIS, MAE FLORENCE (*Fine Arts*).....Kalamazoo, Mich.
School of Industrial Art, Philadelphia, 1898-1899.
- § DENNY, GRACE ELLA (*Physical Education*).....St. Paul, Minn.
University of Minnesota, 1897-1903.
- § DEYO, LOUIS DEWITT (*Secondary Teaching*).....Nutley, N. J.
State Normal School, New Paltz, N. Y., 1897.
- § DIXON, ELIZABETH S. (*Secondary Teaching*).....Winona, Minn.
State Normal School, Winona, Minn., 1891.
- DONOVAN, HELEN (*Domestic Art and Domestic Science*).....Rochester, N. Y.
- ¶ DORSETT, LOVENIA ADELE (*Secondary Teaching*).....Jamaica, N. Y.

¶ Also a candidate for the A.B. degree. § Also a candidate for the B.S. degree.

** Candidate for the B.S. degree only.

- § DOSTER, JAMES JARVIS (*Manual Training*).....Troy, Ala.
State Normal College, Troy, Ala., B.Ph., 1902.
- DRUMMOND, EVELYN MAUD (*Elementary Teaching*).....New York City
- § DUNN, EDWARD JAMES (*Secondary Teaching*).....New York City
- DUNN, GEORGE STUART (*Fine Arts*).....Ticonderoga, N. Y.
- ‡ DURIL, HELEN FRANCES.....Toronto Can.
Trinity College, Toronto, A.B., 1905.
Education, English.
- EARL, ANITA MILLS (*Domestic Art*).....New York City
Normal College, New York City, 1891-1895.
- || EASTMAN, LUCY PUTNAM (*Secondary Teaching*).....New York City
- § EICHBAUER, CECILE (*Secondary Teaching*).....(Bklyn) New York City
- ELLIOT, FRANCES COTTRELL (*Domestic Science*).....Toronto, Canada
- || ERNST, MATHILDA (*Secondary Teaching*).....Huntington, L. I.
- || EVANS, ELIZABETH GRACE (*Secondary Teaching*).....New York City
- || FAIRCHILD, RUTH DEANE (*Secondary Teaching*).....Suffern, N. Y.
- FALES, JANE THERESE (*Domestic Art*).....Rockland, Me.
- FALLS, MARY ELIZABETH (*Elementary Supervision*).....King's Mountain, N. C.
- ** FEIGENBAUM, CECILIA.....New York City
Normal College, New York City, 1898-1902.
Teachers College, Bachelor's Diploma, 1904.
- ‡ FERRARI, ROBERT ANTHONY (*Secondary Teaching*).....New York City
- § FISHER, LOUISE MARION (*Physical Education*).....New York City
Packer Collegiate Institute, Brooklyn, N. Y., 1892-1894.
State Normal School, Bridgewater, Mass., 1894-1898.
Vassar College, 1902-1903.
- § FITZPATRICK, EDWARD AUGUSTUS (*Secondary Teaching*).....New York City
New York Training School for Teachers, 1903.
- § FLINT, ANNA KATHERINE (*Domestic Art*).....Menomonie, Wis.
University of Wisconsin, B.L., 1895.
Stout Manual Training School.
- || FONTAINE, MARIE-LOUISE PAUL (*Secondary Teaching*).....New York City
- § FORTMAN, AUGUSTA (*Secondary Teaching*).....Union Hill, N. J.
- || FOSHAY, FLORENCE ELIZABETH (*Secondary Teaching*).....Port Chester, N. Y.
- ** FREEBORN, ELIZABETH JOHNSON.....Warren, R. I.
- § GADDIS, CAROLYN JOSEPHINE (*Elementary Teaching*).....New York City
New York Normal College, 1889.
- § GALLAHER, ADA ROSE (*Elementary Teaching*).....New Washington, Pa.
Indiana Normal School of Pennsylvania, Indiana, Pa., B.E., 1896.
- || GELBACH, MARIE (*Secondary Teaching*).....New York City
- § GILL, LULU GENEVIEVE (*Physical Education*).....Stapleton, N. Y.
- GORDON, HELEN (*Kindergarten Supervision*).....Hinsdale, Ill.
Chicago Kindergarten College, 1893-1897.
- GOWANS, ELIZABETH (*Fine Arts*).....Angola, N. Y.
- § GROS, CLARA PALMER (*Elementary Teaching*).....New York City
Hanover College, Hanover, Ind., B.S., 1896.
- HAFPEY, GEORGE WASHINGTON (*Elementary Teaching*).....New York City
Fordham University, N. Y.
- || HALL, CAROLINE DUMONT (*Secondary Teaching*).....Mt. Vernon, N. Y.
- ** HAMMOND, ANNA BINGHAM.....Amenia, N. Y.
State Normal School, New Paltz, N. Y., 1890.
- HARDING, RUTH (*Domestic Art*).....Portland, Me.
Pratt Institute, 1905.
- ** HARRINGTON, GRACE AILEEN.....Detroit, Mich.
Grand Rapids Training School, Grand Rapids, Mich.
Teachers College, Kindergarten Diploma, 1904.

‡ Also a candidate for the A.M. degree.

§ Also a candidate for the B.S. degree.

|| Also a candidate for the A.B. degree.

** Candidate for the B.S. degree only.

- || HASKELL, ALICE GALACAR (*Secondary Teaching*).....Providence, R. I.
 Miss Fisher's Kindergarten Training School, Boston, Mass., 1888.
- § HATCH, LUTHER AUGUSTUS (*Elementary Teaching*).....Downers Grove, Ill.
 State Normal University, Normal, Ill., 1892.
- HATHEWAY, CLARA ROSE (*Fine Arts*).....Stamford, Conn.
 Woman's Art School, Cooper Institute, New York City, 1885.
 Art Students' League, New York City, 1895-1899.
- § HAYNES, ALICE FENTON (*Kindergarten*).....Jamestown, N. Y.
- || HAYNES, JESSIE ELIZABETH (*Secondary Teaching*).....New York City
- HILL, JULIA AVA (*Fine Arts*).....The Dalles, Ore.
- § HOEXTER, HERMANN HIRSCH (*Music*).....New York City
 Teachers Training School, New York City, 1902-1903.
- HOLMES, ELIZABETH GLEASON (*Kindergarten Supervision*)....Saratoga Springs, N. Y.
 Kindergarten Institute, Chicago, Ill., 1895.
- HOOD, MARY CHALMERS (*Manual Training*).....Florence, Ala.
- ** HORTON, MARY SNOW.....Orange, N. J.
 Teachers College, Elementary Diploma, 1896.
- ** HOUSE, FLORENCE ELIZABETH.....Englewood, N. J.
 Teachers College, Elementary Diploma, 1899.
- § HOWELL, ABBY STOUT (*Fine Arts*).....New Brunswick, N. J.
- || JAMES, BERTHA CLARKSON (*Secondary Teaching*).....Rahway, N. J.
- ‡ JENNINGS, CORINNE MARIE (*Secondary Teaching*).....New York City
- JEWELL, ISABELLA EMMA (*Hospital Economics*).....London, Ont.
 Massachusetts General Hospital, Boston, Mass., 1897.
 Boston Lying-in Hospital, Boston, Mass., 1901.
 Teachers College, Hospital Economics Certificate, 1904; Bachelor's Diploma, 1905.
- JONES, HARRIET HANKS (*Domestic Science*).....Bloomfield, N. J.
- § JONES, MARY ELLEN (*Elementary Teaching*).....Newark, N. J.
- || JOSEPH, DAVID HERMAN (*Secondary Teaching*).....New York City
- § KENNEDY, JEAN MELINDA (*Domestic Science*).....Applehill, Ont., Canada
 Queens University, Kingston, Ont., A.B., 1899.
 Model School, Cornwall, Ont., 1900.
 School of Domestic Science, Boston, Mass., 1903.
- § KERNS, MAUDE IDALIA (*Fine Arts*).....Eugene, Ore.
 University of Oregon, A.B., 1899.
- § KINKAID, EULA MAE (*Primary and Kindergarten Supervision*)....Jamestown, N. Y.
 Brooklyn Normal School of Physical Education, 1889.
 Cook County Normal School, Chicago, Ill., 1891.
- KISSELL, MARY LOIS (*Fine Arts*).....Chicago, Ill.
 Art Institute, Chicago, Ill., 1892.
- || KLINE, HENRY JAMES (*Secondary Teaching*).....New York City
- || KNOX, ETHEL MAY (*Secondary Teaching*).....New York City
- || KOHUT, ELSIE (*Elementary Teaching*).....New York City
- LESTER, MARY LOUISE (*Domestic Science*).....Chicago, Ill.
- || LEWIS, BESSIE LENA (*Secondary Teaching*).....Mt. Vernon, N. Y.
- || LILIENTHAL, FLORENCE P. (*Secondary Teaching*).....New York City
- ** LONDON, JEANNETTE FANNIE E.....New York City
- § LONG, KATHRYN MARIE (*Kindergarten*).....Emporia, Kan.
 College of Emporia, Kan., A.B., 1901.
 State Normal School, Emporia, Kan., 1904.
- § LUDWIG, AUGUSTUS (*Secondary Teaching*).....(Bklyn) New York City
 State Normal School, Jamaica, N. Y., 1900.

|| Also a candidate for the A.B. degree.
 § Also a candidate for the B.S. degree.

** Candidate for the B.S. degree only.
 ‡ Also a candidate for the A.M. degree.

- § LUTES, MABEL MADELEINE (*Domestic Science*).....Indianapolis, Ind.
Lasall Seminary, Auburndale, Mass., 1895.
- || MACCOLL, GRACE BEATRICE (*Secondary Teaching*).....New York City
- || MACCOLL, JEANNETTE (*Secondary Teaching*).....New York City
- MCCULLY, MAY SHIELDS (*Physical Education*).....Dayton, Ohio
Boston Normal School of Gymnastics, Boston, Mass., 1902.
- § MACDONALD, PEARL (*Domestic Science*).....Ashland, Ohio
University of Michigan, A.B., 1898.
- § MACDONALD, CATHERINE (*Secondary Teaching*).....New York City
- § MADDOCK, CATHERINE LORETTA (*Kindergarten Supervision*).....New York City
- ‡ MANFRED, MAUD E. (*Secondary Teaching*).....(Bklyn) New York City
- § MARSH, ALICE LOUISE (*Secondary Teaching and Primary Supervision*).....Detroit, Mich.
- MARSH, DELLA (*Domestic Science*).....Fort Collins, Colo.
- § MEADE, REBECCA PAULDING (*Elementary Teaching*).....New York City
- § MILLER, ETHELWYN (*Fine Arts*).....Franklin, Ind.
Franklin College, Ind., A.B., 1894.
- MORRISON, GRACE LAWRENCE (*Nature Study*).....Maryville, Mo.
- MURDOCH, ADA MARY (*Fine Arts and Manual Training*).....New York City
School of Art, Edinburgh, Scotland, 1888.
- § MURPHY, JANE FRANCES (*Music*).....Richmond Hill, N. Y.
- § NICHOLAS, EMILY (*Secondary Teaching*).....Newark, N. J.
State Normal School, Trenton, N. J., 1890-1892.
- ‡ NICHOLS, CLARENCE (*Secondary Teaching*).....New York City
- || NIES, MINNIE ANTOINETTE (*Secondary Teaching*).....Paterson, N. J.
- § NOYES, ANNA GAUSMANN (Mrs.) (*Manual Training and Fine Arts*)...New York City
- § O BRIEN, SAIDA WARREN (*Secondary Teaching and Elementary Teaching*).....
Weehawken, N. J.
- || O CONNELL, EDWARD J. (*Secondary Teaching*).....New York City
- § OLIVER, JOSEPH WARREN (*Manual Training*).....Nanticoke, Pa.
State Normal School, East Stroudsburg, Pa., 1897.
- ORCUTT, HELEN WALLACE (*Kindergarten Supervision*).....New York City
- § PALLESKE, THEODORE EMIL (*Secondary Teaching*).....Port Richmond, N. Y.
- § PATTESON, SARAH GAY (*Secondary Teaching*).....Powhatan Court House, Va.
- § PENDLETON, VENITA (*Secondary Teaching*).....Bryn Athyn, Pa.
Normal School, Bryn Athyn, Pa., 1900.
- PHILLIPS, MAY (*Fine Arts*).....Natchitoches, La.
State Normal School, Natchitoches, La., 1898.
- § PIERSON, CLEMENTINE M. (*Domestic Science*).....Oshkosh, Wis.
State Normal School, Oshkosh, Wis., 1892.
- PINCKNEY, MARGARET MANIGAULT (*Kindergarten Supervision*).....Charleston, S. C.
South Carolina Kindergarten Association Training School.
New York Academy of Design.
- || PLATE, HAZEL HUDNALL (*Secondary Teaching*).....Elmira, N. Y.
- § POLLITZER, MABEL L. (*Secondary Teaching*).....Charleston, S. C.
Menninger Normal School, Charleston, S. C., 1904.
- § POOTS, ANNA (*Elementary Teaching*).....Berea, Ohio
- || POST, CATHARINE MARY (*Secondary Teaching*).....(Q) New York City
- || POST, ELIZABETH SMITH (*Secondary Teaching*).....(Q) New York City
- § POWELL, LUCY LEE (*Secondary Teaching*).....Staunton, Va.
- § PRAY, FLORENCE ALIDA (*Domestic Science*).....Stevens Point, Wis.
State Normal School, Stevens Point, Wis., 1807.
State Normal School, Stevens Point, Wis. (Domestic Science Diploma), 1903
- § PRENTICE, IDA WHITCOMB (*Fine Arts*).....New York City
School of Applied Design, New York City, 1900-1901.

§ Also a candidate for the B.S. degree. || Also a candidate for the A.B. degree.

‡ Also a candidate for the A.M. degree.

- § RABENORT, WILLIAM LOUIS (*Secondary Teaching*).....Paterson, N. J.
State Normal School, Trenton, N. J., 1887-1890.
- RALSTON, HENRIETTA (*Fine Arts*).....Nineveh, Ind.
- § READ, MARY L. (*Kindergarten Supervision*).....New York City
Clark University, 1904-1905.
- REED, SARA ALLEN (*Kindergarten Supervision*).....Clinton, N. Y.
Wellesley College, B.A., 1905.
- § REEDER, IRENE MAY (*Domestic Science*).....Hastings, N. Y.
- REID, JOSEPH WHITNER (*Manual Training*).....Reidville, S. C.
Davidson College, Davidson, N. C., A.B., 1882.
- § REILLY, KATHERINE ALOYSIA (*Secondary Teaching*).....New York City
New York Training School for Teachers, 1901.
- § REININGER, WINIFRED BERTHA (*Domestic Art*).....New York City
Pratt Institute, Brooklyn, N. Y., 1904.
- || REJALL, ALFRED ERNST (*Elementary Teaching*).....(Bklyn) New York City
- REYNOLDS, VIRGINIA (*Nature Study*).....Farmville, Va.
- || RICH, MABEL ELIZABETH WEISS (*Secondary Teaching*).....Mt. Vernon, N. Y.
- § ROBINSON, ELIZABETH MAE (*Kindergarten*).....Nunda, N. Y.
Chicago Kindergarten College, Chicago, Ill., 1903.
- || ROHR, MADELINE DOROTHEA (*Secondary Teaching*).....(Br) New York City
- § RUSSAK, LOTTA BERNHARDINE (*Secondary Teaching*).....New York City
- RUSSELL, ELIZABETH LINCOLN (*Domestic Art*).....New Bedford, Mass.
Smith College, B.L., 1903.
- || RUSSELL, ISABELLE KATHARINE (*Secondary Teaching*).....New York City
- RUSSELL, OLIVE (*Kindergarten Supervision*).....(Br) New York City
- § SAVAGE, CHARLES WINFRED (*Physical Education*).....New York City
Oberlin College, A.B., 1893.
Harvard University, A.M., 1898.
- || SCHLAGETER, FLORENCE (*Secondary Teaching*).....Paterson, N. J.
- || SCHMIDT, CLARA HELENE (*Secondary Teaching*).....Mt. Vernon, N. Y.
- || SEELIGMAN, IRMA SCOTT (*Secondary Teaching*).....New York City
- || SHANLEY, MILDRED ETHEL (*Secondary Teaching*).....Litchfield, Conn.
- § SHEIB, LEONORA WALMSLEY (Mrs.) (*Music*).....Natchitoches, La.
- || SHINN, NATALIE IDA (*Secondary Teaching*).....Pelham Manor, N. Y.
- § SHONINGER, YETTA SILAS (*Primary Supervision*).....Louisville, Ky.
Normal School, Louisville, Ky., 1897.
- ‡ SICHER, DUDLEY FRANK (*Secondary Teaching*).....New York City
- § SILLIMAN, FLORENCE ELECTA (*Secondary Teaching*).....New York City
- SIMMONS, MARGARET MOE (*Kindergarten Supervision*).....(Bklyn) New York City
- § SIMONS, LAO GENEVRA (*Secondary Teaching*).....New York City
- || SIMONS, MARION LODER (*Secondary Teaching*).....Port Chester, N. Y.
- § SINSHEIMER, ELEANOR (*Domestic Science*).....New York City
- § SLAYMAKER, REBECCA JANE (*Secondary Teaching*).....Lancaster, Pa.
State Normal School, Millersville, Pa., 1898-1902.
- SMITH, HELEN (*Fine Arts*).....Yonkers, N. Y.
School of Applied Design, New York City.
- § SMITH, WILLIAM PALMER (*Secondary Teaching*).....Edinboro, Pa.
State Normal School, Potsdam, N. Y., 1894.
Emerson College of Oratory, Boston, Mass., 1898.
- § SNOW, ELLA MARION (*Secondary Teaching*).....Boston, Mass.
State Normal School, Bridgewater, Mass., 1890.
- § SNYDER, BENTON LOUIS (*Secondary Teaching*).....New York City
State Normal School, New Paltz, N. Y., 1894.
- SOLOMON, WALTER LEE (*Secondary Teaching*).....New York City

§ Also a candidate for the B.S. degree. || Also a candidate for the A.B. degree.
‡ Also a candidate for the A.M. degree.

- § SPAFARD, MYRA B. (*Fine Arts*).....Manchester, Mich.
Cooper Institute, 1888.
Art Students' League, 1886-1899.
Chase Art School, 1898-1899.
- || SPITZ, EDWARD F. (*Secondary Teaching*).....(Bklyn) New York City
- § SPRINGER, ADA (*Secondary Teaching*).....East Las Vegas, N. M.
- § STACKPOLE, CAROLINE EMMARETTE (*Secondary Teaching and Nature Study*)...Platts-
burg, N. Y.
State Normal School, Plattsburg, N. Y., 1899.
- || STAFF, FLORENCE MAY (*Secondary Teaching*).....Dunkirk, N. Y.
- § STIEBRITZ, ELSIE (*Physical Education*).....Astoria, N. Y.
Barnard College, 1902-1904.
- STOCKTON, EDITH MAY (*Fine Arts*).....New York City
State Normal School, Greeley, Colo., 1898-
Chase Art School, New York City, 1903-
- || STOCKTON, GUY CADWALLADER (*Secondary Teaching*).....New York City
- || STOCKTON, JAMES LEROY (*Secondary Teaching*).....New York City
- § STRYKER, ADELAIDE BEVERLY (*Domestic Science*).....White Plains, N. Y.
- § SWARTZ, MARY DAVIES (*Domestic Science*).....Fond du Lac, Wis.
Denison University, Granville, Ohio, Lit.B., 1901.
- TAMAGNO, GRACE (*Physical Education*).....New York City
- § TASCHE, JUNE (*Kindergarten*).....New York City
- § TAYLOR, ABRAM RUSSEL (*Secondary Teaching*).....South Orange, N. J.
- || TAYLOR, VIRGINIA (*Secondary Teaching*).....East Orange, N. J.
- THORN, AMELIA VIOLA (*Kindergarten Supervision*).....New York City
New York Normal College, 1884.
Winterton Kindergarten Training School, New York City, 1895.
- || TOMS, ELIZABETH IVERSON (*Secondary Teaching*).....New York City
- § TREAT, MARION (*Domestic Science*).....Chelsea, Mass.
- †† TRIER, BETTY (*Secondary Teaching*).....Montclair, N. J.
- § TROWBRIDGE, JANETTE (*Physical Education*).....New York City
State Normal School, New Haven, Conn., 1884.
Normal School of Gymnastics, New Haven, Conn., 1895.
- § TUCKER, ELEANOR SELDEN (*Secondary Teaching*).....Norfolk, Va.
- § TUTTLE, LELIA JUDSON (*Secondary Teaching*).....Hartland, N. C.
State Normal College, Greensboro, N. C., 1900.
- § VAN COTT, HARRY HORTON (*Secondary Teaching*).....Bainbridge, N. Y.
State Normal School, Oneonta, N. Y., 1901.
- VAN COTT, LUCY MAY (*Domestic Science*).....Salt Lake City, Utah
- ** VERY, EDITH.....Hartford, Conn.
Teachers College, Bachelor's Diploma, 1900.
- ** VINCENT, GRACE.....Montclair, N. J.
State Normal School, Trenton, N. J., 1893.
Teachers College, Bachelor's Diploma, 1902.
- § VOM SAAL, FREDERICK MAXIMILIAN VON HUMBOLT (*Secondary Teaching*)..New York
City
University of Pennsylvania, 1899-1901.
Columbia College, 1902-1905.
- § VON SALTZA, ELIZABETH CHRISTINA (*Elementary Teaching*).....New York City
- § VOXMAN, WILLIAM (*Secondary Teaching*).....New York City
- † WADDEN, MARY (*Secondary Teaching*).....New York City
- WAITE, CHARLOTTE AUGUSTA (*Domestic Art*).....Kalamazoo, Mich.
- § WALLING, AGNES (*Elementary Teaching*).....Ocean Grove, N. J.
- § WARING, ANNA TALLMAN (*Domestic Art*).....Piermont, N. Y.
Columbia University, A.B., 1904.

§ Also a candidate for the B.S. degree. ** Candidate for the B.S. degree only.
|| Also a candidate for the A.B. degree. † Also a candidate for the A.M. degree.
†† Also a candidate for a Ph.D. degree.

- § WAUGH, LOUISE (*Domestic Science*).....Johnstown, Pa.
 § WEBSTER, MARION LEE (*Secondary Teaching*).....Castine, Me.
 State Normal School, Bridgewater, Mass., 1895.
 WEBSTER, WINIFRED MAY (*Secondary Teaching*).....Cambridge, N. S.
 Provincial Normal School, Truro, N. S., 1899.
 Dalhousie College, A.B., 1903.
 § WEEKS, ESTELLE TERRY (*Kindergarten and Secondary Teaching*)...Long Island City,
 N. Y.
 || WELLS, MILDRED ADELE (*Secondary Teaching*).....East Orange, N. J.
 § WELZMILLER, LOUIS REED (*Physical Education*).....New York City
 Bellevue Hospital Medical School, M.D., 1898.
 § WERTZ, EDITH BARBARA (*Secondary Teaching*).....Quincy, Pa.
 State Normal School, Shippensburg, Pa., 1891.
 Wilson College, A.B., 1899.
 § WILBUR, CLARA LOUISE (*Secondary Teaching*).....Fayetteville, N. Y.
 WILLIAMS, BESSIE POTTER (*Kindergarten*).....New York City
 || WILLIAMS, HELEN ISABEL (*Secondary Teaching*).....(Br) New York City
 § WILLIAMS, JANE (*Elementary Teaching*).....Jellico, Tenn.
 WILSON, WEALTHA ANN (*Domestic Science*).....Indianapolis, Ind.
 State Normal School, Indianapolis, Ind., 1881.
 § WOOD, FLORENCE AMES (*Kindergarten*).....(Bklyn) New York City
 Pratt Institute, 1897.
 § WOOD, MARGARET CHESTER (*Secondary Teaching*).....New York City
 § WOODRUFF, MABELLE (*Elementary Teaching*).....Passaic, N. J.
 || WORZEL, HOWARD HENRY (*Secondary Teaching*).....(Bklyn) New York City
 § WYCKOFF, HARRIET ELVIRA (*Secondary Teaching*).....Cuba, N. Y.
 State Normal School, Geneseo, N. Y., 1887.
 || YALE, DAISY IRENE (*Secondary Teaching*).....Brewster, N. Y.

JUNIOR CLASS

- ACKLES, JENNIE LEONA (*Elementary Supervision*).....Tully, N. Y.
 Training Class, Tully, N. Y., 1900.
 || ADAMS, IRENE BENNETT (*Secondary Teaching*).....Mt. Kisco, N. Y.
 § AGNEW, THOMAS, JR. (*Elementary Teaching*).....Bloomfield, N. J.
 State Normal School, New Paltz, N. Y., 1898.
 § ALLIS, MARY LINCOLN (*Fine Arts*).....Amherst, Mass.
 Pratt Institute, 1893; P.G., 1895-1896.
 London County Council School of Arts and Crafts, 1902-1903.
 || ALTHAUS, AMALIE LOUISE (*Secondary Teaching*).....(Br) New York City
 AMES, FLORENCE (*Fine Arts and Manual Training*).....Jackson, Mich.
 Art Institute, Chicago, Ill., 1896-1897.
 § ANDERSON, ANNIE STUART (*Secondary Teaching*).....Louisville, Ky.
 State Normal School, Louisville, Ky., 1891.
 ANDREWS, FLORENCE M. (*Fine Arts*).....(Br) New York City
 § ANGELL, MERTON ALMON (*Secondary Teaching*).....New York City
 State Normal School, Potsdam, N. Y., 1899.
 || ANTHONY, ANNA GENEVIEVE (*Secondary Teaching*).....New York City
 § APPEL, FRANK JOHN (*Secondary Teaching*).....New York City
 German-American Teachers' Seminary, Milwaukee, Wis., 1896.
 ASHBY, HARRIET ELIZABETH (*Kindergarten*).....Bryn Athyn, Pa.
 || AUERBACH, EVA FANNY (*Secondary Teaching*).....New York City
 BABCOCK, EUGENIA (*Fine Arts*).....Grand Rapids, Mich.
 School of Arts and Crafts, Grand Rapids, Mich., 1904-1905.
 § BAGNASCO, JOSEPHINE MARY (*Secondary Teaching*).....Astoria, L. I.

|| Also a candidate for the A.B. degree.

§ Also a candidate for the B.S. degree.

- § BAKER, BYRON WARREN (*Secondary Teaching*).....New York City
State Normal School, Oneonta, N. Y., 1896.
- BARR, LOIS E. (*Elementary Teaching*).....Holdridge, Neb.
- BARTHOLOMEW, RITA TRYON (*Fine Arts*).....Chicago, Ill.
Cook County Normal School, 1894-1898.
- § BASHFORD, HENRIETTA (*Secondary Teaching*).....Yonkers, N. Y.
Mt. St. Vincent Academy, New York City, 1892.
- § BATES, BESSIE MALENA (*Secondary Teaching*).....(Bklyn) New York City
Packer Institute, Brooklyn, N. Y., 1900.
- BATES, IRENE HUBBARD (*Fine Arts*).....New York City
Froebel Training School for Kindergartners, New York City.
- || BATTELL, HANNAH MANSFIELD (*Secondary Teaching*).....New York City
- BEALL, META ELOISE (*Kindergarten*).....Greensboro, N. C.
State Normal College, Greensboro, N. C., 1897-1898.
- BELCHER, MARY BULLOCK (*Kindergarten*).....New York City
- || BENNETT, CORA ELIZABETH (*Secondary Teaching*).....New York City
- BENNETT, HELEN PIERCE (*Elementary Supervision*).....Belmont, Cal.
State Normal School, Plymouth, N. H., 1889.
- || BERNAYS, JUDITH (*Secondary Teaching*).....New York City
- || BERNKOPF, BEATRICE MOLLY (*Secondary Teaching*).....New York City
- BIGELOW, LUNA EVANGELINE (*Elementary Teaching*).....Athol, Mass.
Training School, Springfield, Mass., 1893.
- § BLAKESLEE, RALPH ELLIOTT (*Secondary Teaching*).....Spartanburg, Pa.
State Normal School, Edinboro, Pa., 1904.
- BLAUVELT, ANNA LA TOURETTE (*Manual Training*).....Nutley, N. J.
School for Kindergartners, New York City, 1886-1887.
Pratt Institute, 1894-1900.
- § BLEND, ARVA (*Secondary Teaching*).....Oneonta, N. Y.
State Normal School, Oneonta, N. Y., 1904.
- § BOGERT, ADA JOHNSTON (*Secondary Teaching*).....Long Island City, N. Y.
State Normal School, Jamaica, L. I., 1903.
- || BOOTE, MABEL LOUISE (*Secondary Teaching*).....Yonkers, N. Y.
- § BOWER, GENEVA LIMA (*Kindergarten*).....Saginaw, Mich.
State Normal School, St. Cloud, Minn., 1901-1903.
Kindergarten Training School, Saginaw, Mich., 1903.
- || BRAND, JOSEPHINE (*Secondary Teaching*).....New York City
- BRANDON, HENRY CLAY (*Manual Training*).....Dalesville, Ind.
Indiana University, Bloomington, Ind., A.B., 1902; A.M., 1905.
- BROOKS, ETHEL FIFIELD (Mrs.) (*Domestic Science*).....New York City
Smith College, A.B., 1895.
Institute of Technology, Boston, Mass., S.B., 1900.
- BROWN, CAROL (*Kindergarten*).....East Hampton, Conn.
Geo. Peabody Normal School, Nashville, Tenn., 1897-1898.
- BUELL, KATRINA (*Fine Arts*).....Brockville, Ontario, Can.
Art Students' League, New York City, 1891-1894.
- BULLIS, JEANNETTE (*Domestic Art*).....Burlington, Vt.
- § BURNHAM, MABEL TOWNE (*Secondary Teaching*).....Essex, Mass.
State Normal School, Salem, Mass., 1898.
- || BUSHONG, ALICE MARGARET (*Secondary Teaching*).....(Bklyn) New York City
- § BUTLER, EMMA SEYMOUR (*Secondary Teaching*).....Blairstown, N. Y.
- CALEF, EVELYN (*Domestic Art and Science*).....Superior, Wis.
State Normal School, Oshkosh, Wis., 1894.
- || CANNON, GERTRUDE LOUISE (*Secondary Teaching*).....New York City

§ Also a candidate for the B.S. degree.

|| Also a candidate for the A.B. degree.

- || CARROLL, ANNE (*Secondary Teaching*).....Warwick, N. Y.
 || CARTER, HELEN (*Secondary Teaching*).....New York City
 § CLARK, M. FLORENCE (*Secondary Teaching*).....Yonkers, N. Y.
 State Normal School, Oswego, N. Y., 1899.
 CLARK, MARGARET ELIZABETH (*Manual Training*).....Tenaflly, N. J.
 Art Students' League, New York City, 1891-1893.
 || COHEN, ABRAHAM BRODERICK (*Secondary Teaching*).....(Bklyn) New York City
 || COLBY, SABRA CARRINGTON (*Secondary Teaching*).....New York City
 || COLE, EVANGELINE (*Secondary Teaching*).....Sea Cliff, N. Y.
 § CONKLIN, ROSCOE G. (*Secondary Teaching*).....Tuscarora, N. Y.
 State Normal School, Geneseo, N. Y., 1898
 § CORNISH, EMMA WHITE (*Secondary Teaching*).....Woodbridge, N. J.
 State Normal School, Cortland, N. Y., 1902.
 COSTIKYAN, ZABELLE (*Kindergarten*).....Constantinople, Turkey
 COULTER, EDNA (*Elementary Supervision*).....Dansville, Ky.
 § CRONAN, FRANCES J. (*Elementary Teaching*).....New York City
 Normal College of the City of New York, 1891.
 § CUNNINGHAM, MARY CRAIG (*Secondary Teaching*).....Blairsville, Pa.
 State Normal School, Blairsville, Pa., A.B., 1903.
 CUNNINGHAM, OLIVIA (*Manual Training*).....Florence, Ala.
 State Normal School, Florence, Ala., 1900-1901.
 CUSHMAN, HANNAH MARY (*Nature Study*).....Reading, Pa.
 § CUTTING, FLORA LOUISE (*Secondary Teaching*).....(Bklyn) New York City
 DAILEY, FRANCES AVERILL (*Music*).....Tacoma, Wash.
 DANIELSON, CARL (*Music*).....Värmland, Sweden
 § DAVIS, MARTHA GROSVENOR (*Secondary Teaching*).....Sewickley, Pa.
 Slippery Rock Normal School, Slippery Rock, Pa., 1898.
 DAY, GERTRUDE ELIZABETH (*Kindergarten*).....Stamford, Conn.
 § DE BOER, JOSEPHINE MARIE (*Secondary Teaching*).....Yonkers, N. Y.
 DICKINSON, HALLIE (*Kindergarten*).....Richmond, Va.
 Richmond Training School for Kindergartners, 1905.
 § DOLAN, PATRICIA MARIA (*Secondary Teaching*).....New York City
 New York Normal College, 1892.
 § DONALDSON, IDA LEONORA (*Domestic Art*).....New York City
 DONNELLY, ISABEL GENEVIEVE (*Kindergarten*).....New York City
 DORSETTE, SADIE (*Elementary Teaching*).....Tuskegee, Ala.
 Normal and Industrial Institute, Tuskegee, Ala., 1904.
 DOUGLAS, BEULAH (*Primary Supervision*).....St. Cloud, Minn.
 Kindergarten Training School, Milwaukee, Wis., 1888.
 § DOUGLAS, CLARA MARTIN (*Secondary Teaching*).....Whitehall, N. Y.
 DREW, MARY KING (*Kindergarten*).....New Orleans, La.
 Free Kindergarten Training School, Evansville, Ky., 1899.
 Kindergarten Training Class, Louisville, Ky., 1901.
 § DRUMMOND, GRACE (*Domestic Science*).....Newark, N. J.
 State Normal School, Trenton, N. J., 1895.
 DUNN, ANNIE VREDENBURGH (*Fine Arts*).....Macon, Ga.
 Elam Alexander Normal School, Macon, Ga.
 ELTINGE, LOUISE (*Elementary Teaching*).....New York City
 State Normal School, New Paltz, N. Y., 1878.
 ELY, LUCY STEVENS (*Domestic Art*).....Watertown, N. Y.
 § ENGELBREKT, ANNA CECILIA (*Secondary Teaching*).....New Rochelle, N. Y.
 || ERNST, AGNES ELIZABETH.....(Br) New York City
 § FALLS, LAURA (*Manual Training*).....Kings Mountain, N. C.
 State Normal College, Greensboro, N. C., 1893-1896.

|| Also a candidate for the A.B. degree.

§ Also a candidate for the B.S. degree.

- § FENTON, JOHN WILLIAMS (*Elementary Teaching*).....New York City
State Normal School, Fredonia, N. Y., 1899.
- § FLETCHER, MARY BERTHA (*Domestic Science*).....Franklin, Ind.
Franklin College, Ph.B., 1903.
- FLYNN, MARIE ELLEN (*Kindergarten*).....Stewartsville, N. J.
- § FRANCIS, CAROLYN LOUISE (*Secondary Teaching*).....Honeoye Falls, N. Y.
- § FRANCIS, CHARLOTTE ANNE (*Secondary Teaching*).....Honeoye Falls, N. Y.
State Normal School, Brockport, N. Y., 1902.
- § FRANKE, CLARA ELSA (*Secondary Teaching*).....Tarrytown, N. Y.
- § FRECHETTE, MARIE DELPHINE (*Secondary Teaching*).....Plattsburg, N. Y.
State Normal School, Plattsburg, N. Y., 1904.
- || FREED, JULIA HUELAT (*Secondary Teaching*).....New York City
- FRIDENBERG, PAULINE (*Elementary Teaching*).....New York City
- § FRIESS, LOTTIE L. (*Secondary Teaching*).....New York City
- FURST, MARY LOUISE (Mrs.) (*Domestic Science*).....Yonkers, N. Y.
Woman's College of Baltimore, A.B., 1896.
- GALARCE, CATALINA (*Domestic Art and Science*).....Buenos Aires, A. R., S. A.
- § GALLUP, JULIA ANNA (*Music*).....St. Paul, Minn.
State Normal School, Winona, Minn.
- || GARDINER, CARA LESLIE (*Secondary Teaching*).....New York City
- § GARLICK, EDITH SHAW (*Secondary Teaching*).....Paterson, N. J.
- || GASTON, PHYLYNDA (*Secondary Teaching*).....(Bklyn) New York City
- § GILDERMEISTER, THEDA (*Elementary Teaching*).....Hillsboro, Ill.
State Normal University, Normal, Ill., 1886.
Clarksburg College, A.M., 1900.
- GOLDSMITH, LAURA WOLCOTT (*Physical Education*).....Berlin, Germany
Fenz Hall Seminary, 1898-1899.
- § GOULD, MILDRED R. (*Secondary Teaching*).....Milledgeville, Ga.
Georgia State Normal and Industrial College, Milledgeville, Ga., 1899-1904.
- § GRANT, AMY ALLISON (*Secondary Teaching*).....New York City
- || GRANT, LUCILE (*Secondary Teaching*).....Stamford, N. Y.
- § GREIST, ROSEMINA (*Domestic Art*).....Crawfordsville, Ind.
- § GRIFFITH, PRISCILLA (*Secondary Teaching*).....Fredonia, N. Y.
State Normal School, Fredonia, N. Y., 1901.
- GUYSI, JEANNETTE (*Fine Arts*).....Detroit, Mich.
- § HALL, EDITH RACHEL (*Domestic Science*).....(Bklyn) New York City
- HALSEY, FLORENCE (*Domestic Science*).....North Paterson, N. J.
Wellesley College, A.B., 1900.
- § HALSEY, MARY (*Elementary Teaching*).....Charleston, S. C.
Menninger Normal School, Charleston, S. C., 1897.
- HARCOURT, ELIZABETH (*Hospital Economics*).....Guelph, Ont.
- § HARCOURT, NELLIE (*Physical Education*).....New York City
- § HARRIS, HOWARD STODARD (*Manual Training*).....Northfield, Mass.
- || HARVITT, HELEN JOSEPHINE (*Secondary Teaching*).....(Bklyn) New York City
- § HAS BROUCK, MARTIN (*Elementary Teaching*).....Paterson, N. J.
State Normal School, New Paltz, N. Y., 1895.
- HASTINGS, MONTANA (*Elementary Supervision*).....Neosho, Mo.
State Normal School, Emporia, Kan., 1891.
- § HATCH, ALMA BOYER (Mrs.) (*Elementary Teaching*).....De Kalb, Ill.
State Normal University, Normal, Ill., 1892.
- HEAPHY, GERTRUDE MARY (*Primary Supervision*).....New York City
Noble Co. Normal School, Worthington, Minn., 1897.
Coddington Co. Normal School, Watertown, S. D., 1900-1904.
- || HELLIN, LILIAN (*Secondary Teaching*).....New York City
- || HENDERSON, HAZEL (*Secondary Teaching*).....(Bklyn) New York City

§ Also a candidate for the B.S. degree. || Also a candidate for the A. B. degree.

- § HERRMANN, HATTIE (*Secondary Teaching*).....New York City.
 || HERZBERG, MAX JOHN (*Secondary Teaching*).....Newark, N. J.
 § HEYSE, CORNELIA JACOBA (*Secondary Teaching*).....New York City
 § HOGAN, KATHERINE ELIZABETH (*Secondary Teaching*).....New York City
 HOLLIS, GEORGETTA MARIA (*Music*).....(Bklyn) New York City
 § HOLMES, CORINNE (*Fine Arts*).....Saginaw, Mich.
 Teachers Training School, Saginaw, Mich., 1904-1905.
 § HOPKINS, EMMA BARKSDALE (*Secondary Teaching*).....Savannah, Ga.
 HOPKINS, WILLIAM CYPRIAN, JR. (*Manual Training*).....Englewood, N. J.
 University of Vermont, A.B., 1894.
 § HOYT, JOHN HERBERT (*Elementary Teaching*).....New Brighton, N. Y.
 State Normal School, Oneonta, N. Y., 1902.
 § HUBBARD, ALICE CLARK (*Manual Training*).....Springfield, Mass.
 Smith College, B.L., 1904.
 HULETT, ANNA (*Manual Training*).....Newburgh, N. Y.
 State Normal School, New Paltz, N. Y., 1901.
 § HUNGERFORD, ALMA FLOY (*Elementary Teaching*).....Coldwater, Mich.
 State Normal College, Ypsilanti, Mich., 1898.
 § HUNTINGTON, BELLE (*Physical Education*).....(Bklyn) New York City
 Boston Normal School of Gymnastics, 1900.
 Pratt Institute, Brooklyn, N. Y., 1904.
 || HURTY, KATHLEEN ELIZABETH (*Secondary Teaching*).....New York City
 HUTCHISON, JEAN (*Fine Arts*).....Chicago, Ill.
 Cook County Normal School, Chicago, Ill., 1891.
 IRVING, SYLVIA (*Elementary Teaching*).....New York City
 Training School for Teachers, Brooklyn, 1896.
 || ISRAEL, MARGARET BAER (*Secondary Teaching*).....New York City
 || JACOBS, EVA (*Secondary Teaching*).....New York City
 § JAMES, SARAH S. (*Secondary Teaching*).....Oshkosh, Wis.
 State Normal School, Oshkosh, Wis., 1882.
 § JENKINS, FRANCES (*Elementary Supervision*).....Oswego, N. Y.
 State Normal School, Oswego, N. Y., 1894 and 1901.
 || JOACHINSON, ALMA (*Secondary Teaching*).....New York City
 || JOHNSON, LUCETTA PITNEY (*Secondary Teaching*).....Morristown, N. J.
 § JOHNSTON, WILLIAM HAZLETT (*Secondary Teaching*).....(Bklyn) New York City
 JONES, JANE D. (*Elementary Teaching*).....Freehold, N. J.
 JONES, SUSIE MARKHAM (*Elementary Teaching*).....Waco, Texas
 § KAGAN, FANNIE (*Nature Study*).....Vilna, Russia
 || KEENEY, SARAH (*Secondary Teaching*).....New York City
 KEMPF, EMILIE M. (*Elementary Education*).....Newark, N. J.
 Newark Normal School, Newark, N. J., 1877.
 KENNEY, MAY BERTHA (*Manual Training*).....Burton, Ohio
 § KETCHAM, MARY (*Fine Arts*).....Ossining, N. Y.
 Ohio Wesleyan University, Delaware, Ohio, Litt.B., 1894.
 School of Industrial Art and Technical Design, N. Y., 1896-1897.
 Pratt Institute, 1900.
 § KIMBALL, ALICE APPLETON (*Kindergarten*).....Presque Isle, Me.
 Lasall Seminary, Auburndale, Mass., 1898.
 § KING, ALICE CYNTHIA (*Primary Supervision*).....Trumansburg, N. Y.
 State Normal School, Cortland, N. Y., 1887-1889.
 State Normal School, Oneonta, N. Y., 1889-1890.
 KINNE, FLOYD E. (*Elementary Supervision*).....New York City
 State Normal School, New Paltz, N. Y., 1897.
 § LADD, DORA (*Primary Supervision*).....Denver, Colo.
 State Normal School, Greeley, Colo., Ph.B., 1902; Ph.M., 1903.

§ Also a candidate for the B.S. degree.

|| Also a candidate for the A.B. degree.

- LAMSON, CAROLINE (*Manual Training*).....Salt Lake City, Utah
Teachers Training School, St. Paul, Minn., 1888.
- LARSEN, ELLA (*Primary Teaching*).....Pleasant Grove, Utah
Cook County Normal School, Chicago, Ill., 1893.
- § LAWSON, LENA (*Secondary Teaching*).....Darlington, S. C.
Williamston Female College, Williamston, S. C., A.B., 1901.
- § LIVERMON, MATTIE (*Secondary Teaching*).....Roxobel, N. C.
State Normal and Industrial College, Greensboro, N. C., 1897.
- LOBDELL, JOHN NATHAN (*Manual Training*).....Hartford, Conn.
State Normal School, Potsdam, N. Y., 1898.
- § LONG, ANNABEL BRADLEY (*Secondary Teaching*).....Superior, Wis.
State Normal School, Superior, Wis., 1902.
- || LOWENTHAL, AMALIA (*Secondary Teaching*).....New York City
- LUCAS, ELLA BERTINE (*Fine Arts*).....Poquetanuck, Conn.
Art Students' League, New York City, 1893-1897.
Art School, Norwich, Conn., 1891-1903.
- § LUTH, EMELIE HELEN (*Secondary Teaching*).....New York City
New York Normal College, A.B., 1904.
- § McCULLY, OLIVE SIMPSON (*Secondary Teaching*).....Dayton, Ohio
- § McCURDY, DELLA (*Elementary Supervision*).....Troy, Ohio
State Normal School, Ypsilanti, Mich., 1905.
- || McKEE, ELSA DU BOIS (*Secondary Teaching*).....Kingston, N. Y.
- || McLANE, FANNIE MOULTON (*Secondary Teaching*).....New York City
- || McLAUGHLIN, PIERINA (*Secondary Teaching*).....New York City
- § McMAHON, ANNA E. (*Secondary Teaching*).....New York City
- || MacEWAN, EMILY LAMONT (*Secondary Teaching*).....Newark, N. J.
- MANDEVILLE, HELEN (*Domestic Art*).....Carrollton, Ga.
Agnes Scott Institute, Decatur, Ga., 1899.
- § MANN, MARGUERITE BUDLONG (*Secondary Teaching*).....Groveland, N. Y.
State Normal School, Geneseo, N. Y., 1879-1884.
State Normal College, Albany, N. Y., 1896.
- ** MARTIN, ALICE.....Plattsburg, N. Y.
State Normal School, Plattsburg, N. Y., 1898-1900.
Teachers College, Bachelor's Diploma, 1905.
- § MASCORD, ELIZABETH FRANCES (*Kindergarten*).....(Bklyn) New York City
Pratt Institute, Brooklyn, 1899.
- MATHEWS, MARY ESTELLE (*Elementary Teaching*).....New York City
New York Normal College, 1878-1881.
- § MAURICE, CHARLES (*Secondary Teaching*).....New York City
State Normal School, Jamaica, N. Y., 1898-1900.
State Normal School, New Paltz, N. Y., 1902.
- MAYNICKE, LILY (*Kindergarten Supervision*).....New York City
Normal Department, Ethical Culture School, New York City, 1883.
- § MEEKER, MARY MADELINE (*Fine Arts*).....New York City
New York Normal College, 1885.
National Academy of Design, New York City, 1885-1887.
- § MELLEN, ANNA VICTORINE (*Secondary Teaching*).....Canton, Ohio
- ** MENDES, MARIA PEREIRA.....New York City
Teachers College, Bachelor's Diploma, 1900.
- § MICHELL, MAUD ELENE (*Music*).....New York City
- MILLER, ELIZABETH NEWELL (*Fine Arts*).....Berkeley, Cal.
Visalia Normal School, Visalia, Cal.
- MILLER, MARY CLARA (*Domestic Art*).....Pottstown, Pa.
State Normal School, West Chester, Pa., 1884-

§ Also a candidate for the B.S. degree. || Also a candidate for the A.B. degree.

** Candidate for the B.S. degree only.

- § MILLER, WILLIAM AUGUSTINE (*Secondary Teaching*).....Matawan, N. J.
State Normal School, Cortland, N. Y., 1880.
New York University, M.Pd., 1892.
- MILLS, LAURA MAY (*Kindergarten*).....Rye, N. Y.
Academy of Music, Saratoga Springs, N. Y., 1900-1901.
- MINER, GENEVRA MAY (*Kindergarten*).....Oriskany Falls, N. Y.
Conservatory of Music, Utica, N. Y., 1894.
Kindergarten Training Class, Syracuse, N. Y., 1902.
- MOENCH, RUTH EVELYN (*Physical Education*).....Logan, Utah
Ashmore School of Expression, Ogden, Utah, 1898.
- § MOORE, GRACE EMERSON (*Domestic Science*).....Chicago, Ill.
Boston Cooking School, Boston, Mass., 1902.
- MOORE, HENRY NELSON (*Manual Training*).....Pittsburg, Pa.
- § MORRISON, CAROLYN ELIZABETH (*Elementary Teaching*).....Coldenham, N. Y.
State Normal School, New Paltz, N. Y., 1901-
- § MULRY, KATHERINE MARIE (*Elementary Teaching*).....Indianapolis, Ind.
Normal School, Indianapolis, Ind., 1902.
- MURRAY, ANNA CAROLINE (*Manual Training*).....Chicago, Ill.
Thukinsha Sholan, Stockholm, Sweden.
Carolnishe Institute, Stockholm, Sweden.
Naas, Sweden.
- § MURRAY, JENNIE ERSKINE (*Secondary Teaching*).....New York City
Lionel School of Education, New York City, 1902.
- NASSAU, BRUNETTE FOSTER (*Music*).....Trenton, N. J.
- NELSON, ALICE (*Elementary Supervision*).....Ironwood, Mich.
- § NESSLER, ESTELLE C. (*Domestic Art and Science*).....New York City
- § NICHOLSON, JANE HERBERT (*Kindergarten*).....(Bklyn) New York City
Pratt Institute, Brooklyn, 1897.
- NOBLE, MARY ELOISE (*Elementary Teaching*).....Boise, Idaho
- § NOLAN, GERTRUDE CECILIA (*Kindergarten*).....Paterson, N. J.
Normal Training School, Paterson, N. J., 1904.
- ¶ ODENCRANTZ, LOUISE CHRISTINA (*Secondary Teaching*).....New York City
- § OTT, AMELIA HENRIETTA (*Secondary Teaching*).....New York City
- OWEN, GOERTNER GREENLEAF (*Kindergarten*).....Saginaw, Mich.
Kindergarten Association Training School, Saginaw, Mich., 1904.
- PACKARD, HARRIET (*Kindergarten*).....Winona, Minn.
State Normal School, Winona, Minn., 1890.
Wheelock School, Boston, Mass., 1899.
- § PAINE, ALICE MAY (*Primary Supervision*).....Winona, Minn.
State Normal School, Winona, Minn., 1900.
- PALMER, GRACE ALMA (*Manual Training*).....Athens, Ga.
State Normal School, Athens, Ga., 1901-
- § PALMER, LUELLE ANGELINA (*Kindergarten Supervision*).....New York City
New York Normal College, 1886.
Teachers College, Kindergarten Diploma, 1896.
- PARMELEE, SUSAN (*Domestic Art*).....Newark, N. J.
- § PELONSKY, SARAH BLANCHE (*Elementary Teaching*).....New York City
State Normal School, Salem, Mass., 1900.
- PERCY, ISABELLE CLARK (*Fine Arts*).....Oakland, Cal.
Mark Hopkins Art Institute, San Francisco, 1901-1905.
- ** PERHAM, BERTHA ELLEN.....Lestershire, N. Y.
Teachers College, Bachelor's Diploma, 1902.
- PERKINS, ELLEN GERTRUDE (*Music*).....Minneapolis, Minn.
State Normal School, Oshkosh, Wis., 1891-1892.

§ Also a candidate for the B.S. degree. ¶ Also a candidate for the A.B. degree.

** Candidate for the B.S. degree only.

- PETT, CLARA GROW (Mrs.) (*Domestic Science*).....Winona, Minn.
State Normal School, Oswego, N. Y., 1883.
- § PEYSER, ETHEL ROSE (*Domestic Science*).....New York City
- § PICKETT, WILLIAM JACKSON (*Secondary Teaching*).....Worcester, N. Y.
State Normal School, Oneonta, N. Y., 1902.
- || POINTS, JULIET STUART (*Secondary Teaching*).....Jersey City, N. J.
- § POLAND, ETHEL ELIZABETH (*Kindergarten*).....Newark, N. J.
State Normal School, Trenton, N. J., 1902.
- § PORTER, ELVA LOIS (*Domestic Art*).....Pompton Lakes, N. J.
- || PRATT, JOSEPHINE SOUTHWORTH (*Secondary Teaching*).....New Rochelle, N. Y.
- PROUTY, IRIS GERTRUDE (*Manual Training*).....Spencer, Mass.
Sloyd Training School, Boston, Mass., 1903.
- || RAE, ANNE MUTCH (*Secondary Teaching*).....New York City
- || RAPP, KATHERINE LOUISE (*Secondary Teaching*).....(Bklyn) New York City
- || RAY, IDA CHARLOTTE (*Secondary Teaching*).....New York City
- || REARDON, MARY CATHERINE RUTH (*Secondary Teaching*).....Rye, N. Y.
- REESOR, MARY (*Elementary Education*).....Edgar, Neb.
State Normal and Training School, Peru, Neb., 1895.
- REEVES, ALLIE GRACE (*Manual Training*).....Watertown, N. Y.
Teachers Training School, Watertown, N. Y., 1901.
- REYNOLDS, HELEN MARY (*Elementary Supervision*).....Miles City, Mont.
State Normal School, Oshkosh, Wis., 1892.
- RICE, BESSIE ADELIA (*Domestic Art*).....West Brookfield, Mass.
- ROBBINS, LULIE WILES (Mrs.) (*Domestic Art*).....Indianapolis, Ind.
Indianapolis, Normal School, Indianapolis, Ind., 1888.
- § ROGALIN, MAURICE EMIL (*Secondary Teaching*).....New York City
- § ROGERS, CHARLOTTE AMY (*Secondary Teaching*).....Tioga, N. Y.
- ROSE, JANET ISABEL (*Music*).....Port Allegany, Pa.
- || ROSEMON, ETHEL MAY (*Secondary Teaching*).....(Bklyn) New York City
- ROUSE, MARTHA (*Domestic Art*).....Kansas City, Mo.
- || RUSK, ELIZABETH (*Secondary Teaching*).....St. Joseph, Mo.
- § RUSSELL, MYRTLE (*Elementary Teaching*).....Battle Creek, Mich.
State Normal College, Ypsilanti, Mich., 1897.
- § SALINGRÉ, ESTELLE (*Secondary Teaching*).....New York City
New York Normal College, 1879-1883.
- SAMMIS, MINNETTA FLORENCE (*Kindergarten Supervision*).....Terre Haute, Ind.
Kindergarten and Primary Training School, Indianapolis, Ind., 1900.
- SARGENT, ANNIE CARMETA (*Domestic Science*).....Worcester, Mass.
State Normal School, Worcester, Mass., 1879-1881.
School of Domestic Science, Boston, Mass., 1902.
- || SCHACHTEL, ELSIE (*Secondary Teaching*).....New York City
- § SCHMIDT, WILLIAM FREDRICK (*Secondary Teaching*).....Hoboken, N. J.
State Normal School, Trenton, N. J., 1905.
- § SCHOTT, MARTHA (*Secondary Teaching*).....New York City
New York Normal College, A.B., 1904.
- SCHWEIGER, GERTRUDE VERA (*Fine Arts*).....New York City
New York Training School for Teachers, 1905.
- § SEWARD, FRANCES ADELIN (*Music*).....Florida, N. Y.
State Normal School, Oneonta, N. Y., 1902-1903.
- || SHANLEY, MILDRED ETHEL (*Secondary Teaching*).....Thomaston, Ct.
- SHEPARD, MARGARET JOSEPHINE (*Kindergarten*).....(Bklyn) New York City
- SIMMONS, MARY PILKINGTON (*Domestic Science*).....Yonkers, N. Y.
- § SMALL, NELLIE GROSVENOR (*Elementary Supervision*).....Buffalo, N. Y.
- SMITH, BESSIE HELMER (*Kindergarten*).....Yonkers, N. Y.

§ Also a candidate for the B.S. degree.

|| Also a candidate for the A.B. degree.

- || SMITH, CLARA ELIZABETH (*Secondary Teaching*).....New York City
 SMITH, FANNY A. (*Kindergarten Supervision*).....Bridgeport, Conn.
 || SMITH, KATHARINE AUGUSTA (*Secondary Teaching*).....New York City
 § STETSON, ARTHUR DANA (*Secondary Teaching*).....(Bklyn) New York City
 STOCKTON, BERYL IDA JONES (Mrs.) (*Manual Training*).....Greeley, Colo.
 State Normal School, Greeley, Colo., 1897.
 STODDARD, ORVIL SCHNEDICKER (*Elementary Teaching*).....Binghamton, N. Y.
 State Normal School, Oswego, N. Y., 1900.
 § STOWELL, RUTH KATE (*Secondary Teaching*).....New York City
 State Normal School, Oswego, N. Y., 1903.
 STRICKLAND, ANNA FRANKLIN (*Physical Education*).....New York City
 New York Normal College, A.B., 1901.
 STRONG, HARRIETTE LOUISE (*Primary Supervision*).....Troy, Pa.
 State Normal School, Mansfield, Pa., 1896.
 State Normal School, Mansfield, Pa., 1897-1898.
 § STRONG, SARA PORTER (*Domestic Science*).....Fort Atkinson, Wis.
 Stout Manual Training School, Menomonie, Wis., 1905.
 STUDDIFORD, JANNETTA GORDON (*Fine Arts*).....New York City
 Columbia University, A.B., 1901.
 § SULLIVAN, JULIE ELLSBEE (*Physical Education*).....New York City
 New York Normal School Physical Education, 1904.
 SUTHERLAND, MAUDE R. (Mrs.) (*Fine Arts*).....(Bklyn) New York City
 State Normal School, Oswego, N. Y., 1892-1893.
 National Academy of Design, New York City, 1893-1897.
 New York School of Applied Design for Women, 1895-1896.
 TALMAGE, SUSA AMELIA (*Elementary Teaching*).....Provo, Utah
 Brigham Young University, Provo, Utah, B.Pd., 1903.
 § TANNAHILL, SALLIE BELLE (*Fine Arts*).....New York City
 TAYLOR, ELMINA LOIS (*Kindergarten*).....Salt Lake City, Utah
 § THAYER, WILLIAM MORTIMER (*Secondary Education*).....Moravia, N. Y.
 State Normal School, Cortland, N. Y., 1902.
 § THOMAS, ISABEL CARR (*Kindergarten*).....Oxford, Ohio
 § THOMAS, MARGARET BEAUMONT (Mrs.) (*Domestic Science*).....New York City
 State Normal School, Framingham, Mass., 1896.
 State Normal School, Framingham, Mass., 1900-1901.
 § THORNE, FRED (*Manual Training*).....New Paltz, N. Y.
 State Normal School, New Paltz, N. Y., 1901.
 || TRACY, HELEN ABBIE (*Secondary Teaching*).....Rockville Centre, N. Y.
 || TREDWELL, ELIZABETH ALDEN SEABURY TREDWELL (*Secondary Teaching*).....New York City
 § TUFTS, EDITH MAY (*Primary Supervision*).....Williamson, N. Y.
 State Normal School, Oswego, N. Y., 1896.
 || TURNBULL, GRACE CLAPPERTON (*Secondary Teaching*).....East Orange, N. J.
 TURNER, HANNAH ELIZABETH (*Music*).....Cortland, N. Y.
 State Normal School, Cortland, N. Y., 1885.
 UPTON, ALICE LOUISE (*Fine Arts*).....New York City
 Art Students League, New York City.
 Cooper Union, New York City.
 VALENTINE, FLORENCE ELLETT (*Kindergarten Supervision*)...(Bklyn) New York City
 § VANDERHOOF, MABEL WARD (*Secondary Teaching*).....Seneca Falls, N. Y.
 State Normal School, Brockport, N. Y., 1902.
 § VAN GORDEN, JEANNETTE (*Primary Supervision*).....Cortland, N. Y.
 State Normal School, Cortland, N. Y., 1901.
 § WAITE, MARY GLOYD (*Kindergarten*).....Newark, N. J.
 Kindergarten Training School, Toledo, Ohio, 1897.

§ Also a candidate for the B.S. degree.

|| Also a candidate for the A.B. degree.

- WALKER, ELIZABETH (*Fine Arts*).....Troy, Ohio
Cook County Normal School, Chicago, Ill., 1901.
- || WALKER, MARY BARBOUR (*Secondary Teaching*).....Scarsdale, N. Y.
- WALLACE, FLORENCE DIDIER (*Fine Arts*).....Baltimore, Md.
Maryland School of Art and Design, 1896.
- WARD, RUTH PORTER (*Music*).....Medford, Mass.
Mt. Holyoke College, A.B., 1903.
- § WARDLAW, JEANNETTE BRUCE (*Secondary Teaching*).....Palmyra, N. Y.
State Normal School, Geneseo, N. Y., 1905.
- § WAX, LEO WILLIAM (*Secondary Teaching*).....Kolky, Russia
Classical Gymnasium, Russia, 1894-1902.
- § WEEKS, FLORENCE LOUISE (*Secondary Teaching*).....Long Island City, N. Y.
State Normal School, Jamaica, N. Y., 1900.
- § WERTIMER, ELVIRA PIERSON (*Fine Arts*).....Buffalo, N. Y.
Pratt Institute, 1904.
- WEST, CLAUDE LORRAINE (*Elementary Teaching*).....Paterson, N. J.
State Normal School, Bridgewater, Mass., 1896.
- WHALBY, ELIZABETH STANYARM (*Fine Arts*).....Biltmore, N. C.
Drexel Institute, Philadelphia.
Pennsylvania Academy of Fine Arts, Philadelphia, Pa.
- § WHITE, MARILLA L. (*Fine Arts*).....Wellsville, N. Y.
State Normal School, Cortland, N. Y., 1902.
- WHITNEY, WILL (*Manual Training*).....Milltown, N. B.
Provincial Normal School, Fredericton, Can., 1901.
Manual Training School, Truro, Nova Scotia, 1904.
- § WHITTEMORE, GRACE MARGARET (*Domestic Science*).....Andover, Mass.
- § WILCOX, WINIFRED (*Elementary Teaching*).....Yonkers, N. Y.
- WILEY, BELLE (*Elementary Teaching*).....Rochester, N. Y.
Teachers Training Class, Rochester, N. Y., 1897.
- || WILKES, EDNA MAJOR (*Secondary Teaching*).....New York City
- WILLIAMS, CORA BLANCHE (*Primary Supervision*).....North East, Pa.
State Normal School, Edinboro, Pa., 1889-1892
State Normal School, Clarion, Pa., 1892.
State Normal School, Fredonia, N. Y., 1897.
- § WILLSON, ALBERT CLARK (*Elementary Supervision*).....Noroton, Conn.
State Normal School, Cazenovia, N. Y., 1895.
- WILSON, JOHN REED (*Elementary Teaching*).....Paterson, N. J.
State Normal School, Trenton, N. J., 1893.
- § WILSON, WILLIAM HENRY (*Elementary Teaching*).....Paterson, N. J.
State Normal School, Trenton, N. J., 1905.
- || WOODMAN, SOPHIE PARSONS (*Secondary Teaching*).....New York City
- WOODS, MARY (*Manual Training*).....(Bklyn) New York City
Pratt Institute, 1890.
- § WOOLSTON, FLORENCE (Mrs.) (*Kindergarten*).....New York City
Miss Wheelock's Kindergarten, Boston, Mass., 1902.
- § WRIGHT, ANNIE CORNING (*Domestic Science*).....Ironwood, Mich.
State University, Madison, Wis., 1901-1903.
Pratt Institute, 1905.
- § YANCE, EDWIN ALBERT (*Manual Training*).....Chatham Centre, N. Y.
State Normal School, Oswego, N. Y., 1904.
- § YOUNG, ELIZABETH DUN (*Kindergarten Supervision*).....New York City
Pratt Institute, 1898.
- § YOUNG, MADELAINE (*Secondary Teaching*).....Sarahsville, Ohio
Ohio Wesleyan University, 1898-1899.

§ Also a candidate for the B.S. degree. || Also a candidate for the A.B. degree.

Collegiate Students

SOPHOMORE CLASS

ADAIR, MARY HERBERT.....	Tottenville, N. Y.
AHERN, EDITH CORNELL.....	(Br) New York City
AVERY, HARRIET.....	Niagara Falls, N. Y.
BALDWIN, EDWIN FRANKLIN.....	New York City
BARANOFF, REVA (Mts.).....	Ekatermoslav, Russia
BRONTÉ, EVELINE.....	(Br) New York City
CLARK, JEANNETTE.....	Jamaica, L. I.
COLLIGAN, EUGENE ALOYSIUS.....	(Bklyn) New York City
CONKLIN, ISAAC THORN.....	Peekskill, N. Y.
COOK, FRIEDA HERMINA.....	(Bklyn) New York City
COOPER, HELEN ELIZABETH.....	Yonkers, N. Y.
CRAIG, FRANCIS AUGUSTINE.....	New York City
CROCKER, NELLIE J.....	Tarrytown, N. Y.
DANIEL, MARY KING.....	Mooreville, N. C.
DOLAN, SUSIE A.....	New York City
GALEWSKI, AARON.....	New York City
GOEDKOOP, ANNIE ELIZABETH.....	Paterson, N. J.
HAAS, ELLA.....	St. Louis, Mo.
HALLOCK, ESTELLE MARCY.....	Binghampton, N. Y.
HAMEL, GEORGIANA.....	Newark, N. J.
HANNAN, WALTER SHERLOCK.....	(Br) New York City
HORNE, ELSIE RUTHERFORD.....	Plainfield, N. J.
HOWLAND, GEORGE F.....	New York City
JANSON, WILLIAM.....	New York City
JONES, MARGARET MORDECAI.....	Oxford, N. C.
KLEIN, CHARLES LOUIS.....	New York City
KLEIN, JESSIE CLARE.....	New York City
KOEHLER, BERTHA KATRINA.....	Rutherford, N. J.
KREINER, LILLIAN MAY.....	Newark, N. J.
KUESEL, ANNA ELIZABETH.....	(Bklyn) New York City
LIN, PAO HANG.....	Shanghai, China
LISLE, HELEN LOUISE.....	West Newton, Mass.
McFARLANE, JESSIE.....	New Berlin, N. Y.
McLELLAND, MAY.....	Mooreville, N. C.
MacDOWELL, ANNA LOIS.....	Charlotte, N. C.
MACY, MARY SUTTON, M.D.....	New York City
MASON, CORONA L.....	New York City
MIDDLETON, FLORENCE.....	New York City
MILLS, FLORENCE MAY.....	New York City
MOORE, GEORGE DOLSON.....	Middletown, N. Y.
NELSON, EMMA A.....	(Br) New York City
NELSON, NEWMAN.....	New York City
NIELSON, KJERSTEN.....	Poughkeepsie, N. Y.
OUTTERSON, BESSIE.....	East Stroudsburg, Pa.
PALÉN, LOUIS ELLSWORTH.....	New Paltz, N. Y.
PARSONS, MAUD WELLESLEY.....	Rye, N. Y.
RAUBICHECK, CHARLES WILLIAM.....	(Br) New York City
RENNERT, LOUISE CATHERINE.....	New York City
RICHMOND, LILLIE.....	Bethel, Conn.
RUSSELL, GRACE ELFPREDA.....	Oneonta, N. Y.
SIGAFUS, ANNA EMILY.....	Glen Ridge, N. J.
SKINNER, JENNIE LOIS.....	Plainfield, N. J.
SMART, ISABELLE THOMPSON (M.D.).....	New York City

|| Also a candidate for the A.B. degree.

STEVENS, ROMIETT.....	Hudson, N. Y.
WALDMAN, LOUIS.....	New York City
WOLFE, VERONICA LENA.....	New York City

FRESHMAN CLASS

ADAMS, KATHLEEN M.....	Montclair, N. J.
BAILEY, MARY ADA.....	New York City
BENSON, LELAND W.....	Port Jefferson, L. I.
DUNBAR, MARJORY.....	Dobbs Ferry, N. Y.
ELWELL, ANNA E.....	Pueblo, Colo.
FERRIN, FLORENCE A.....	Montpelier, Vt.
FORD, ALBERT.....	New York City
GENIN, MAY.....	New York City
GRANT, EDITH TORREY.....	New York City
HAKES, MARION.....	Ilion, N. Y.
HANLEY, KATHLEEN.....	Rockaway Beach, L. I.
KLAUBER, BELLE.....	New York City
LAWSON, GERTRUDE PRINGLE.....	New York City
LYNCH, GEORGE ALOYSIUS.....	New York City
MARTINI, AUGUSTA.....	Crotona Park, N. Y.
MASBACH, GERTRUDE.....	New York City
MONSKY, JOSEPH.....	New York City
MORIARTY, MARY LILLIAN.....	Manchester, Conn.
PENDLETON, KORENE.....	Bryn Athyn, Pa.
PUORRO, MICHAEL.....	New York City
REDMOND, KATHARINE CLARE.....	Greene, N. Y.
SIMPSON, ANNIE BARCHARD.....	New York City
THOMPSON, HELEN.....	Yonkers, N. Y.
WALTER, MARY VIOLA.....	Johnstown, Pa.
WAND, MAUD PHYLLIS.....	Hastings, N. Y.

SPECIAL STUDENTS

AVERY, FRANCES.....	New York City
BELLANTONI, CLEMENTINE.....	New York City
BOOTH, ALEXINA GALT.....	Chattanooga, Tenn.
Wellesley College, A.B., 1890.	
Training School, Louisville, Ky., 1905.	
CACERES, MARIA.....	Santiago, Chili, S. A.
DANGLER, MINNIE W. (MRS.).....	New York City
DE BELGRAT, ALMA H.....	New York City
College for Teachers, Hamburg, Germany.	
DURANDO, DAISY IRBY.....	Chattanooga, Tenn.
ESCOBEDO, MARGARITA G.....	Santiago, Chili, S. A.
FERNANDEZ, LOUIS FLOREZ.....	Santiago, Chili, S. A.
Normal School for Teachers, Santiago, Chili, 1876.	
FLOREZ, LOUIS.....	Santiago, Chili, S. A.
REYNOLDS, VIRGINIA.....	Farmville, Va.
SMITH, LOUISE.....	Hartford, Conn.
SWENSON, ELIZA HANNAH.....	Pleasant Grove, Utah
TILLINGHAST, CHARLOTTE LUSANNE.....	Providence, R. I.
Brown University, Ph.B., 1896.	
TRUBE, JESSIE MAUD.....	Hastings, N. Y.
Columbia University, B.S., 1904.	
YOUNG, ARETTA.....	Provo, Utah
Brigham Young University, Provo, Utah, B.D., 1898.	
State Normal School, Oswego, N. Y., 1896-1897.	

Course in Hospital Economics

BELYEA, JESSIE I.....	Boston, Mass.
Massachusetts General Hospital, Boston, Mass.	
CROWELL, FRANCES ELIZABETH.....	Pittsfield, Mass.
St. Joseph's Hospital Training School, Chicago, Ill., 1895.	
DURKEE, CAROLINE JOSEPHINE.....	Philadelphia, Pa.
Philadelphia Hospital Training School for Nurses, Philadelphia, 1886 and 1887.	
HEDGES, ANNA.....	Waverley, N. Y.
Brooklyn Homeopathic Hospital, Brooklyn, 1898.	
JAMIESON, MARGARET DAWSON.....	Griffith, Ind.
Michael Reese Hospital, Chicago, Ill., 1891-1893.	
NIFER, CORA VIRGINIA.....	Indianapolis, Ind.
Indianapolis City Hospital, Indianapolis, Ind., 1902.	
PERRY, AURILLA JEAN.....	Noroton Heights, Conn.
Hartford Hospital, Hartford, Conn., 1889.	
SHAW, FLORA MADELINE.....	Perth, Ont.
Montreal General Hospital Training School, 1896.	
SMITH, ALICE LAURELLA.....	Bloomington, Ind.
Cincinnati Hospital Training School, Cincinnati, Ohio, 1897.	
WIMBUSH, ELEANOR.....	York, England.
Hull Royal Infirmary Training School for Nurses, Hull, England, 1896.	

SUMMARY

Candidates for Degrees and Diplomas

I. Graduate Students:		
Candidates for Doctor's Diploma and Degree.....	40	
" " Master's Diploma and Degree.....	93	
		133
II. Professional Students:		
Candidates for Diploma:		
For Teaching in Secondary Schools.....	247	
" " Elementary Schools.....	57	
" " Kindergartens.....	37	
" " Domestic Art.....	25	
" " Domestic Science.....	44	
" " Fine Arts.....	47	
" " Hospital Economics.....	4	
" " Manual Training.....	34	
" " Music.....	15	
" " Nature Study.....	4	
" " Physical Education.....	19	
" Supervising in Kindergartens or Elementary Schools.....	43	
Candidates for the Bachelor of Science Degree only.....	21	
		597
III. Students in Collegiate Course:		
Sophomore Year.....	54	
Freshman Year.....	26	
		80
Carried forward		810

Brought forward.....	810	
IV. Students not candidates for a Degree or Diploma:		
Special Students.....	23	
Special Students in Hospital Economics.....	10	
Candidates for Certificate for Teaching Domestic Art in Trade Schools.....	2	35
V. Students from other Faculties of the University:		
From the Faculty of Philosophy.....	46	
" " " " Political Science.....	15	
" " " " Pure Science.....	13	
" Columbia College.....	54	
" Barnard College.....	112	
	<hr/>	240
		1085
Less duplicate counts, candidates for Diplomas:		
Barnard College, 102; Columbia College, 22; Teachers College, 20.....	144	
Total.....	941	

In addition to the above there are this year 980 pupils in the Horace Mann School and 195 in the Speyer School.

COLLEGE OF PHARMACY

OFFICERS AND TRUSTEES

NICHOLAS MURRAY BUTLER.....	<i>President</i>
EWEN MCINTYRE.....	<i>Honorary President</i>
CHARLES F. CHANDLER.....	<i>Vice-President</i>
WILLIAM JAY SCHIEFFELIN.....	<i>Vice-President</i>
HERBERT D. ROBBINS.....	<i>Vice-President</i>

Term expires 1906

F. W. CARPENTER
THOMAS P. COOK
ARTHUR H. ELLIOTT
FELIX HIRSEMAN
CARL SCHUR

Term expires 1907

OTTO P. AMEND
OSCAR GOLDMANN
ADOLPH HENNING
GILBERT P. KNAPP
CHARLES H. WHITE

Term expires 1908

WILLIAM C. ALPERS
MAX J. BREITENBACH

CHARLES S. ERB
LEO W. GEISLER, Jr.

HENRY IMHOF

CLARENCE O. BIGELOW.....	<i>Treasurer</i>
THOMAS F. MAIN.....	<i>Secretary</i>
O. J. GRIFFIN.....	<i>Assistant Secretary</i>

OFFICERS OF INSTRUCTION

Officers of the Faculty

HENRY H. RUSBY, M.D....	<i>Dean and ex-officio Member of the University Council</i>
GEORGE A. FERGUSON, Ph.B.....	<i>Secretary</i>

The Faculty

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., Litt.D. (Oxon.)..	<i>President</i>
CHARLES F. CHANDLER, A.M., Ph.D., M.D., LL.D., Sc.D.,	<i>Professor of Organic Chemistry</i>
HENRY H. RUSBY, M.D.....	<i>Professor of Botany and Materia Medica</i>
VIRGIL COBLENTZ, A.M., Phar.M., Ph.D., F.C.S.,	<i>Professor of Physics and Chemistry</i>

GEORGE A. FERGUSON, Ph.B.....	<i>Professor of Analytical Chemistry and Mathematics</i>
SMITH ELY JELLIFFE, A.M., M.D., Ph.D...	<i>Professor of Pharmacognosy and Technical Microscopy</i>
GEORGE C. DIEKMAN, Ph.G., M.D.....	<i>Professor of Pharmacy</i>
JOHN OEHLER, Ph.G.....	<i>Adjunct Professor of Chemistry</i>
ARTHUR H. ELLIOTT, Ph.D., F.C.S.....	<i>Professor Emeritus of Chemistry and Physics</i>
WILLIAM J. GIES, M.S., Ph.D....	<i>Professor of Physiological Chemistry</i>
CARLTON C. CURTIS, Ph.D.....	<i>Tutor in Botany</i>

Other Instructors

HARRY B. FERGUSON, Phar.D.....	<i>Instructor in Botany and Materia Medica</i>
RAYMOND J. NESTELL.....	<i>Instructor in Analytical Chemistry</i>
ANTON VORISEK, Phar.D.....	<i>Instructor in Pharmacy</i>
WILLIAM MANSFIELD, Ph.G.....	<i>Instructor in Physics</i>
FREDERICK A. LESLIE, Phar.D.....	<i>Assistant in Botany and Materia Medica</i>

Other Officers of Administration

JAMES H. CANFIELD, LL.D., Litt.D.....	<i>Librarian of the University</i>
FREDERICK P. KEPPEL, A.B.....	<i>Secretary of the University</i>
RUDOLF TOMBO, Jr., Ph.D.....	<i>Registrar of the University</i>
FREDERICK A. GOETZE, M.Sc.,	<i>Superintendent of Buildings and Grounds</i>
VIRGIL COBLENTZ, Ph.D.....	<i>Librarian to the College of Pharmacy</i>
SARA KER.....	<i>Custodian of the Library of the College of Pharmacy</i>

GENERAL STATEMENT

The College of Pharmacy of the City of New York, founded in 1829, chartered in 1831, and recognized in 1879 by the Regents as part of the University of the State of New York, became a member of the educational system of Columbia University on July 1, 1904. The President of the University is *ex-officio* President of the College of Pharmacy, and the College is represented in the University Council by its Dean, who is appointed by the Trustees of the College of Pharmacy on the nomination of the President. The College, however, maintains its separate corporate organization, and its Trustees continue to provide for its financial support.

The College of Pharmacy is thus the professional school of Columbia University for pharmacists and pharmaceutical chemists and, as well, a valuable addition to the University's resources for teaching and research in botany and materia medica.

The following courses of study are offered:

1. A college course consisting of a junior and senior year leading to the degree of Graduate in Pharmacy, conferred by the College

independently of the University, and qualifying a graduate to meet any examination for the position of licensed pharmacist. This course is open, according to statute, only to persons holding the Pharmacy Students' Certificate, granted by the State Education Department for 12 Regents' counts or their equivalent. The work undertaken is as follows: Junior year—physics, general and pharmaceutical chemistry, analytical chemistry, mathematics of pharmacy, practical pharmacy, applied pharmacy, botany, pharmacognosy, and physiology. Senior year—organic chemistry, inorganic and organic pharmaceutical chemistry, analytical chemistry, practical pharmacy, materia medica, toxicology, commercial pharmacognosy, histological pharmacognosy.

2. A University course of 2 years leading to the degree of Pharmaceutical Chemist, conferred by the University. This course is open only to persons holding the Regents' academic equivalent certificate granted for 48 Regents' counts, or the corresponding certificate of Columbia University or of the College Entrance Examination Board. The work undertaken in this course differs from that of the College course in being of a somewhat more advanced character, and in being pursued through the full academic year.

3. A third or post-graduate course of one year, open to graduates of this or other schools of equal grade, leading to the degree of Doctor of Pharmacy. This course fits graduates for advanced positions as chemists, expert analysts and microscopists, and for making urinary analyses, bacteriological examinations, and performing other work of the kind. It consists of practical work in plant analyses, technical microscopy and bacteriology, quantitative analysis and organic analysis, and lecture courses in the theory and practice of inorganic quantitative analysis, commercial organic analysis and toxicology, and physiological chemistry.

4. A number of special courses of instruction have also been established, partly for the benefit of those regular students who desire, for any reason, to specialize in certain lines of work, and partly to provide instruction in individual departments for those who do not desire to take the full course. Certificates, but not diplomas, are awarded to the last mentioned special students. These special courses of instruction are in pharmacognosy, chemical analysis, advanced inorganic and organic chemistry, and practical pharmacy.

The College is situated at 115 West 68th Street, near Columbus Avenue, in a new and especially well-equipped building erected in 1894.

Students who are to be examined for admission will be examined either at the Regents' examination, or at the Columbia University entrance examinations, which are held in June and September of each year. (See pages 163-184.) In June, 1905, the entrance examinations will be those of the College Entrance Examination Board, of which Columbia University is a member. The June examinations are held

simultaneously at Columbia University and at many places throughout the United States, Canada, and Europe.

In September, 1905, the entrance examinations will be conducted by the Columbia University Committee on Entrance Examinations and will be held at the University only. The College Entrance Examination Board at present holds no examinations in September.

Method of Instruction

During the junior and senior years the instruction occupies three days of the week, the alternate days being free for that practical experience in the pharmacy which is required by Boards of Pharmacy before they will grant their licenses. While this arrangement enables students to meet the Board requirements, it also provides for salaries, which pay the expenses of a majority of our students.

Many students, adopting the advice of the Faculty, prefer to devote the entire time of the second year to college work. For those so desiring, additional instruction is provided.

For the purpose of more fully elucidating the subjects presented in the lectures and laboratories and of familiarizing the students therewith, as well as for testing their progress from week to week and of ascertaining whether they are giving suitable attention to their work, a complete series of recitations or quizzes, by a corps of fully qualified instructors, is provided. The succession of topics and the manner of their treatment at these recitations follow closely the courses of instruction given by the professors in the respective departments. In order that all the members of the class may be drilled as often and as thoroughly as possible, the classes are divided into small sections, the instruction of each section being identical but conducted at different hours.

REGISTER OF STUDENTS, 1905-06

College of Pharmacy

GRADUATE STUDENTS

AHRENS, J. G.	45 Riverdale Avenue, Yonkers, N. Y.
BLUMENTHAL, HENRY	109 Ridge Street
CALDERARA, THEODORE	239 N. Terrace Avenue, Mt. Vernon, N. Y.
CLEAVER, WILLIAM A.	257 West 29th Street
COHEN, JOSEPH	1629 Lexington Avenue
CROWE, JOHN HENRY	Richfield Springs, N. Y.
ELLIS, CHARLES HENRY, Jr.	40 Washington Street, Port Chester, N. Y.
GALE, WILLIAM, Jr.	291 Elm Street, Westfield, N. J.
HOLLEY, WILLIAM ARTHUR	Greensboro, N. C.
JORGENSEN, FREDERICK ERNEST	549 East 156th Street
KAPLAN, JULIUS	166 Henry Street
LEVY, MANASSEH A. B.	Bagdad, Turkey
MIRSKY, JACOB	161 East 74th Street
NORTON, WILLIAM GILBERT	173 East 107th Street
OSTREWICZ, JOSEPH	46 Waverly Place
SEID, ABRAHAM JULIUS	374 Columbus Avenue
SIEGEL, NATHAN	305 East 33d Street
SPERE, ALPHONSUS PATRICK	9 Crosby Street
VOELKER, JOHN J. A., Jr.	Lindenhurst, L. I.
VON WEDEL, HASSOW O.	Dobbs Ferry, N. Y.
WEINSTEIN, JOSEPH	161 Clinton Street
WILLIAMS, JOHN MILLER	156 Water Street, Perth Amboy, N. J.
WOLK, EDWARD STEPHEN	1627 Madison Avenue
WURTHMANN, JOHN WILLIAM	1166 First Avenue
Graduate Students	24

SENIORS—CLASS OF 1906

ABRAMS, ISAAC	551 Grand Street
ADLER, CHARLES	71 Mangin Street
ALBACH, GEORGE A.	293 Kerrigan Avenue, West Hoboken, N. J.
ALEXANDER, NATHANIEL J.	64 Whitesboro Street, Utica, N. Y.
ALEXION, GEORGE	74 West 46th Street
ALLISON, SAMUEL J.	1515 Brook Avenue
ARONOVIC, HARRY	137 West 27th Street
ARONSTAMM, JULIUS CHARLES	271 East 78th Street
ASHTON, WILLIAM DANIEL	502 Main Street, Piqua, Ohio
AYRES, CHARLES WENDELL	Bennington, Vt.
APPEL, HENRY H.	116 Briggs Avenue, Morris Park, N. Y.
BAKKER, NITTERT	Haledon, N. J.
BANGERT, GEORGE SCHUYLER	142 N. Walnut Street, East Orange, N. J.
BASSON, BERNARD N.	46 Coles Street, Jersey City, N. J.
BENHAM, ROBERT J.	53 Cherry Street, Waterbury, Conn.
BENINCASA, VINCENTO	219 Grand Street
BIMSTEIN, MORRIS	9 East 98th Street
BINGHAM, PIERRE CLARK	(Br) 1348 Prospect Avenue

BISCHOFF, HARRY ERNEST.....	500 Summit Avenue, West Hoboken, N. J.
BLOCK, ALEXANDER.....	1285 Third Avenue
BLUMENBERG, JOHN HERMAN.....	242d Street and White Plains Avenue
BOCK, CHARLES WHITTINGTON.....	160 Court Street, Utica, N. Y.
BOEDER, LEO.....	Duncomb Avenue, Williamsbridge, N. Y. City
BONNYMANN, ALEXANDER.....	Warwick, N. Y.
BRADTKE, FRANK GEORGE (U. C.).....	412 East 8th Street
BRAULT, JAMES CHESTER.....	20 Van Buren Street, Brooklyn
BRONSON, IRWIN PERIN, Jr.....	42 Circular Avenue, New Haven, Conn.
BROOKS, ALEXANDER.....	70 East 104th Street
BROWN, ANDREW ALOYSIUS.....	119 Maple Street, Scranton, Pa.
BROWN, ARTHUR CREUSE.....	704 Macon Street, Brooklyn
BROWN, CHARLES K. (U. C.).....	Deposit, N. Y.
BRUNDAGE, HARRY.....	328 Madison Street
BUTEAU, GEORGE HENRY.....	Baltic, Conn.
CAGGIANO, CRESCENZO.....	114 Mulberry Street
CALCAGNO, VITO.....	338 East 12th Street
CHITTENDEN, S. KING.....	Hopkinton, N. Y.
CIANI, ULDERICH.....	328 East 116th Street
COHEN, MORRIS.....	22 Monroe Street
CROLLY, THEODORE A.....	112 North 9th Avenue, Mt. Vernon, N. Y.
CUPO, LUIGI.....	3 Elizabeth Street
CUTTING, CLARENCE EUGENE.....	(R) Rossville
DAVIDSON, HARRY.....	32½ Madison Avenue
DEAN, WALTER S.....	246 Eighth Avenue
DECLARK, HOWARD CLIFTON.....	Spring Valley, N. Y.
DELAMATER, WILLIAM GEORGE.....	(Br) 1656 Mt. Hope Avenue
DE LAVERGNE, EVERETT CLARK.....	Woodhaven Avenue, Woodhaven
DE MARSICO, DOMINICK.....	22 Baxter Street
DOLD, ARTHUR FERDINAND.....	47 South Main Street, Port Chester, N. Y.
DRISCOLL, D. EUGENE.....	37 Seminary Avenue, Binghamton, N. Y.
DRISCOLL, WILLIAM CHARLES.....	743 Iranistan Avenue, Bridgeport, Conn.
EDEN, GEORGE AMANDUS.....	57 India Street, Brooklyn
ELWYN, HUGO.....	70 East 110th Street
ERNST, GUSTAVE JOHN.....	89 Trask Avenue, Bayonne, N. J.
EUSNER, FRANK.....	(Br) 944 Washington Avenue
EVERSON, FRANCIS LESLIE.....	16 Shaw Street, Utica, N. Y.
FAIELLA, HARRY EDWARD.....	892 East 187th Street
FEELY, MARTIN JOSEPH, Jr.....	Whitehall, N. Y.
FEINSTEIN, MORRIS.....	70 East 110th Street
FELDMAN, ALBERT.....	155 East 108th Street
FESSLER, RUDOLPH.....	168 West 96th Street
FINK, WILLIAM CHARLES, Jr.....	Hudson Heights, N. J.
FISH, RAYMOND WINTHROP.....	Mount Kisco, N. Y.
FLANZER, ISIDORE.....	1267 40th Street, Brooklyn
FLINT, CHARLES W. (U. C.).....	63 Summer Street, St. Johnsbury, Vt.
FREER, GEORGE L.....	500 West 142d Street
FRIEDMAN, MORRIS.....	1506 Avenue A
FRINDEL, MAX.....	415 Hart Street, Brooklyn
GARBOV, BENJAMIN.....	112 West 113th Street
GAUL, WILLIAM HENRY.....	82 Post Street, Yonkers, N. Y.
GHIRARDI, OREST S.....	104 Walnut Street, Montclair, N. J.
GINSBERG, TOBIAS.....	118 Union Street, Brooklyn
GOLDING, ARTHUR GOUVERNEUR.....	164 Woodsworth Avenue, Yonkers, N. Y.
GOLDLUST, LEO.....	153 East 90th Street
GOODWIN, JOSEPH MANNING.....	3 Haviland Street, South Norwalk, Conn.
GORING, HAROLD VAN W. (U. C.).....	Wappinger's Falls, N. Y.
GOULKO, ISRAEL.....	83 Carmine Street

GRIMM, FRANCIS JOSEPH.....	(Br) 1095 Union Avenue
GROGAN, EDWARD ALBERT, JR.....	407 Matthew Street, Rome, N. Y.
GUAGLIARDO, FRANK.....	422 Grand Street, Hoboken, N. J.
GUARNIER, ACHILLES ÆNEAS.....	238 East 96th Street
GUIDA, VINCENT MICHAEL.....	1107 59th Street, Brooklyn
GULD, MAX.....	8 West 117th Street
GUNDEL, JOHN MICHAEL.....	135 Blum Street, Union Hill, N. J.
HAHN, ROBERT.....	234 E. 18th Street
HAIMBACH, LOUIS PHILIP.....	492 West Street, West Hoboken, N. J.
HAMAN, CHARLES J.....	604 Seventh Avenue, Astoria
HAMMOND, LOUIS EARL.....	15 Fourth Avenue, West Haven, Conn.
HARTNETT, EDWARD HAZARD (U. C.).....	289 York Street, Jersey City, N. J.
HASTINGS, EARL GRANT (U. C.).....	North Adams, Mass.
HEDDESHEIMER, WILLIAM GEORGE.....	186 East End Avenue
HEIFLER, ISIDORE.....	343 East 5th Street
HENNING, HENRY M.....	(Br) 1985 Clinton Avenue
HENRY, ROBERT K.....	972 East 156th Street
HICKLING, FRANK HODSON.....	Lisbon, Ohio
HOLZHAUER, CHARLES WILLIAM.....	732 High Street, Newark, N. J.
HOPKINS, HENRY TRUAX.....	Keyport, N. J.
HORN, NUMAN.....	156 Charlton Street, Newark, N. J.
HUNT, SYDNEY KIRBY.....	35 Knapp Avenue, Middletown, N. Y.
HUTCHINS, CLAUDE (U. C.).....	213 West 105th Street
IRMISCH, LOUIS WILLIAM.....	Lindenhurst, L. I., N. Y.
JAFFE, HARRY.....	487 Second Avenue
JOHNSON, CORRAL W. M., JR.....	16 Couch Street, Plattsburgh, N. Y.
JUDSON, ROBERT O.....	Woodbury, Conn.
JURGENSEN, KARL H.....	(Q) 135 Flushing Avenue, Astoria
JUSTER, HERMANN.....	(Br) 12 Morris Park Avenue
KAISER, HERMAN WILLIAM.....	102 West 98th Street
KARP, SAMUEL EDWARD.....	305 Franklin Avenue, Scranton, Pa.
KEATING, WILLIAM FRANCIS.....	139 East 29th Street
KENNEDY, WALTER SCOTT.....	Woodbridge, Conn.
KERRIGAN, VINCENT JOSEPH.....	(Br) 834 Gerard Avenue
KLEIN, LOUIS.....	175 West 102d Street
KLEIN, LOUIS.....	131 Berry Street, Brooklyn
KLEIN, WILLIAM.....	Revere House, Rockaway Beach
KOBRICK, GEORGE.....	55 Ludlow Street
KOCH, WILLIAM HENRY.....	Collinsville, Conn.
KOPEL, MAURICE A.....	557 West 124th Street
KRAUSE, GEORGE WILLIAM.....	349 Seventh Avenue
KREPELA, CHARLES.....	435 East 75th Street
LAHEY, ARTHUR LAWRENCE.....	Congress, Laurel Hill, N. J.
LANDI, ANTHONY.....	2226 First Avenue
LEHMKUHL, HENRY WILLIAM (U. C.).....	15 Knapp Avenue, Middletown, N. Y.
LEIBSON, DIANA.....	64 West 115th Street
LEOPOLD, CHARLES HENRY.....	(Br) 1636 Bathgate Avenue
LEVINSOHN, ALEXANDER.....	1519 First Avenue
LEVY, HARRY DAVID.....	515 East 81st Street
LIPSKY, HYMAN.....	441 Hopkinson Avenue, Brooklyn
LISSMAN, LOUIS.....	106 East 124th Street
LITZKY, ELIAS.....	92 Henry Street
LOPEZ, ANGEL MARIA.....	276 Fourth Avenue
LOWELL, WILLIAM ALLEN.....	Portland, Me.
LUND, CHARLES JOSEPH A.....	129 West 33d Street
LUTZ, CHARLES, JR.....	1079 East 175th Street
MCCONNON, JOSEPH BERNARD.....	761 Genesee Street, Utica, N. Y.
MACKEY, EDWARD.....	107 Front Street, Port Jervis, N. Y.

MAFFAY, JOHN.....	453 West 164th Street
MAHER, WILLIAM P.....	156 West Monroe Street, Little Falls, N. Y.
MAHONEY, WILLIAM J.....	Camden, N. Y.
MALONEY, EDMUND TILDEN.....	Camden, N. Y.
MARGOWITZ, WILLIAM.....	23 West 112th Street
MASTER, WILLIAM RAY.....	Chester, N. Y.
MATTHIAS, FRANK EARNST.....	(Q) 50 Prospect Avenue, Flushing
MATTHIESSEN, EMIL.....	574 East 150th Street
MAURO, JOSEPH ANTHONY.....	57 Spring Street
MEACHEM, WILBUR BUTT.....	217 Franklin Street, Elizabeth, N. J.
MERCIER, EDMUND.....	29 Providence Street, Taftville, Conn.
MEYER, BENJAMIN.....	260 South Orange Avenue, Newark, N. J.
MEYERS, MORRIS.....	135 Park Row
MILLER, WILLIAM FRANCIS.....	Peekskill, N. Y.
MILNE, EDWARD H.....	220 Highland Avenue, Newark, N. J.
MOES, ISIDORE.....	1371 Fifth Avenue
MORETSKY, SAMUEL.....	486 Hudson Street
MYERSON, OFFIM.....	540 Elm Street, West Hoboken, N. J.
NATHAN, SOLOMON ALEXANDER.....	(Br) 687 Eagle Avenue
NEIL, JOHN GERRIE (U. C.).....	Dunedin, New Zealand
NELSON, WILLIAM ALBERT.....	107 Gordon Street, Perth Amboy, N. J.
NESY, ALBERT.....	350 East 13th Street
NORTON, ARTHUR MITCHELL.....	266 Colorado Avenue, Bridgeport, Conn.
OBERLE, HENRY EDWARD.....	1645 First Avenue
OLLEARO, ALEXANDRA.....	249 West 68th Street
OTTO, ARNULF CARL.....	Villinga, Baden, Germany
OVERTON, WALTER CLAUDE (U. C.).....	101 Division Avenue, Brooklyn
PARENT, NAPOLEON.....	Merchants Avenue, Taftville, Conn.
PARKER, CHARLES.....	Ludlow-on-Hudson, N. Y.
PEIRCE, VICTOR LUBIN (U. C.).....	633 Quincy Street, Brooklyn
PERDOE, CLARENCE C.....	56 Summit Avenue, Phillipsburg, N. Y.
PERILLI, CÆSAR JOSEPH.....	65 Sullivan Street
PERTHOU, CHARLES FREDERICK.....	644 Park Place, Brooklyn
PETROLO, FRANK.....	103 West 3d Street
PHELPS, CHARLES EDWARD.....	13 Liberty Street, Middletown, N. Y.
PRA, PETER ANGELO R.....	35 Highland Avenue, Passaic, N. J.
DE QUEVEDO, CHARLES G.....	San Juan, Puerto Rico
REICH, LEO.....	409 East 85th Street
REIN, LEOPOLD (U. C.).....	220 Graham Avenue, Brooklyn
REISS, JACOB.....	237 East 80th Street
RESNICK, MORRIS.....	20 Rutgers Street
REUTER, RICHARD, Jr.....	462 West 34th Street
ROBBINS, JULIUS.....	1186 Lexington Avenue
RUBANO, CHARLES.....	409 East 115th Street
SABINE, WALLACE GEORGE.....	74 South Street, Utica, N. Y.
SAPIER (Miss), RAE.....	70 Howard Street, Newark, N. J.
SAMARELLI, HENRY.....	322 East 115th Street
SANDOR, MORRIS J.....	131 East Broadway
SCHUEER, JOSEPH SIDNEY (U. C.).....	Berryville, Va.
SCHLESINGER, MAURICE MEYER.....	146 Roebling Street, Brooklyn
SCHMIDT, FREDERICK CHARLES.....	289 Palisade Avenue, Union Hill, N. J.
SCHOENFELD, SAMUEL.....	234 Ashburton Avenue, Yonkers, N. Y.
SCHROEDER, HARRY JOHN.....	102 East 17th Street
SCHUBERT, BRUNO HUGO.....	413 Gardner Street, Town of Union, N. J.
SCHWAD, BENJAMIN.....	320 East 101st Street
SCHWARTZ, IGNATZ.....	578 Marcy Avenue, Brooklyn
SCOTT, VIRTUS ROSE.....	163 West 80th Street
SEAMAN, RALPH ENGLISH.....	Perth Amboy, N. J.

SEIGER, ABRAHAM.....	29-31 East 3d Street
SELLARO, SALVATORE.....	203 Grand Street
SMITH, SAMUEL.....	(Br) 217 East Eden Street
SNYDER, NATHAN (U. C.).....	40 East 3d Street
SONTAG, FREDERICK FERDINAND.....	1885 Amsterdam Avenue
SPANIER, AARON.....	219 Graham Avenue, Brooklyn
SPENCER, RAYMOND V.....	132 Greenwich Street, Hempstead, L. I.
SPINDLER, HENRY.....	405 East 77th Street
STECHMANN, OSCAR H. W. A.....	378 Pacific Avenue, Jersey City, N. J.
STEIN, CHARLES MORRIS.....	2 West 119th Street
STETTER, FRED. PHILLIP.....	2 Duffield Street, Brooklyn
STUFT, OTTO.....	845 Broadway, Brooklyn
SULLIVAN, HORACE.....	1684 Bergen Street, Brooklyn
SYKES, SAMUEL ROY.....	669 East 27th Street, Paterson, N. J.
TAFT, MORRIS ABRAHAM.....	710 East 162d Street
TESSLER, ISADOR.....	646 Pembroke Street, Bridgeport, Conn.
THEIS, ROBERT EDWIN.....	260 Seventh Avenue
THIMBLE, FREDERICK.....	728 Columbus Avenue
THODE, EIDE FREDERICK.....	710 East 162d Street
THOMAS, WILLIAM E.....	Priceburg, Pa.
TOBIAS, MORRIS.....	50 East 100th Street
TOUSTER, MAYER HERMAN.....	51 Seventh Street
TRAVIS, SPENCER HARDENBURG.....	(Br) 156 Harson Avenue, Van Nest
TRIVIGNO, JOHN.....	5 West 39th Street
TROMBA, NICKOLAS.....	92 Junius Street, Brooklyn
UHLER, MORRIS.....	74 Forsythe Street
UHLEIN, WILLIAM H.....	(Q) 50 North Henry Street, Astoria
WARD, EVERETT CHESTER.....	Westbrook, Me.
WARLYN, BERNHARD.....	20 East 117th Street
WASHBURN, RALPH LEFFERTS.....	144 Fremont Street, Peekskill, N. Y.
WEINSTEIN, FRANK JACOB.....	110 Madison Street
WEISS, LEONARD HENRY.....	Bergenline Avenue, West New York, N. J.
WEISS, SAMUEL ARTHUR.....	44 Palisade Avenue, Yonkers, N. Y.
WELLER, JOSEPH C.....	1636 Madison Avenue
WESTCOTT, LESTER BROUGHTON.....	47 Division Street, Danbury, Conn.
WHITE, HOWARD JULIAN.....	McGraw, N. Y.
WILHELM, JOHN ADAM.....	632 East 155th Street
WINTER, NATHAN.....	718 East 5th Street
WOLFSON, WILLIAM LEON.....	716 Duval Street, Key West, Fla.
ZAGALSKY, AARON ADOLPH.....	154 Lenox Avenue
ZIMMERMAN, JOHN THEODORE.....	614 East 9th Street
ZLINKOFF, ISIDOR NATHANIEL.....	229 West 83d Street

Seniors—Class of 1906.....234

U. C. indicates University Course.

JUNIORS—CLASS OF 1907

ADAIR, PHILIP.....	343 East 104th Street
AHRENS, ARTHUR ADOLPH.....	45 Riverdale Avenue, Yonkers, N. Y.
ALTMAN, JOSEPH.....	748 Fifth Street
ANNIS, ROSCOE M. (U. C.).....	20 Pine Street, St. Johnsbury, Vt.
ARONSTAMM, ALEXANDER CHARLES.....	271 East 78th Street
BALLARD, CHARLES WILLIAM (U. C.).....	303 West 126th Street
BALSAMO, JOSEPH.....	210 First Avenue
BAUMANN, JACOB ALOYSIUS (C.).....	97 Rector Street, Perth Amboy, N. J.
BLACK, RUSSELL.....	3 First Avenue, Tompkinsville
BLAKE, FRANK EDGAR.....	120 Main Street, St. Albans, Vt.
BLISS, ANDREW RICHARD, Jr. (U. C.).....	145 Wilson Street, Brooklyn
BRANOWER, HENRY (C.).....	288 St. Ann's Avenue

BRODHEAD, CHARLES WESSLE.....	534 West 35th Street
BRODSKY, MICHAEL HERMAN.....	341 East 120th Street
BROWN, HOWARD PORTER.....	Swanton, Vt.
BURNS, WILLIAM HENRY.....	154 Ninth Avenue
CALDWELL, DANIEL WEIR (C.).....	275 West Van Ness Street, Newburgh, N. Y.
CHAYES, BERNARD.....	89 West Street
CLAPPER, CHARLES M.....	481 St. Ann's Avenue
COPPEDGE, JAMES WILLIAM (C.).....	Tarboro, N. C.
COWAN, JOHN FRANCIS.....	White Plains, N. Y.
DALY, GEORGE A.....	22 Portens Street, Little Falls, N. Y.
DAUB, MAX.....	539 East 87th Street
DEBELLIS, WILLIAM.....	2223 First Avenue
DEL VECCHIO, FELIX ARTHUR.....	226 Academy Street, Newark, N. J.
DI GIOVANNA, THOMAS.....	410 East 11th Street
DINGLER, HARRY.....	Little Falls, N. Y.
DIPPEL, WALTER HERBERT.....	Sag Harbor, N. Y.
DOEPFNER, PHILIP.....	140 East 20th Street
DUBOIS, CORNELIUS (U. C.).....	Essex, N. Y.
EOLIS, ADOLF D.....	158 East 113th Street
FIGALLO, AGOSTINO.....	42 Baxter Street
FORMAN, EVA SARAH.....	178 North 7th Street, Newark, N. J.
FRASER, ARTHUR ANDREW (C.).....	Napanee, Ont., Canada
GAYNOR, HIRAM K., Jr.....	259 New York Avenue, Jersey City, N. J.
GILLMAN, PAUL JEAN (U. C.).....	3036 Third Avenue
GILMAN, PAULINE (C.).....	230 Madison Street
GOLDWATER, HARRY M.....	696 Eagle Avenue
GORING, HOWARD DOWNING.....	Wappingers Falls, N. Y.
GRAY, DORR J.....	Andover, N. Y.
HARTWIG, MARTIN LUTHER (U. C.).....	56 Ward Street, Rockville, Conn.
HELLER, ARPAD ARTHUR.....	54 East 100th Street
HERMAN, IRVING L.....	549 Boulevard, Bayonne, N. J.
HEUSS, CHESTER A.....	Dale Avenue, Ossining, N. Y.
HOFFMANN, FRANK PHILLIP.....	125 West 142d Street
HULSE, WILLIAM HOWELL.....	Washingtonville, N. Y.
HURLEY, EDWARD.....	229 Shrewsbury Avenue, Red Bank, N. J.
JOST, THEODORE ARTHUR (U. C.).....	237 North Terrace Ave., Mt. Vernon, N. Y.
JUDGE, CHARLES G.....	197 10th Street, Long Island City
KILBORN, ROLAND HURD.....	117 Seventh Street, So. Orange, N. J.
KIRKENDALL, RALPH CONNER.....	Berwick, Pa.
LAMOUREE, JOHN EDWIN.....	Tuxedo Park, N. Y.
LEVOW, BENJAMIN.....	69 Rivington Street
LIBERTONE, ANDREW.....	New Brighton, N. Y.
LOBENSTEIN, LOUIS HERMAN.....	543 Third Avenue
LOZIER, MERRITT WILSON.....	92 Lander Street, Newburgh, N. Y.
LUMB, FREDERICK A.....	666 East 143d Street
MCCABE, JOSEPH MICHAEL (U. C., C.).....	249 West 37th Street
MAHANNA, JOHN JOSEPH (C.).....	Housatonic Street, Lenox, Mass.
MARR, WADE HAMPTON.....	North Bridgton, Me.
MASHIN, ANTHONY (C.).....	1023 Madison Street, Brooklyn
MEDINA Y M., IGNACIO.....	Valladolid, Yucatan, Mexico
MEEKER, HARRISON SAMUEL.....	Sussex, N. J.
MEIER, WILLIAM ULYSSIS.....	Butler, N. J.
MOTSARD, SAMUEL.....	219 East 102d Street
NEWCOMB, HARRY ARTHUR (U. C.).....	Holland, Conn.
ORDMANN, LOUIS.....	157 East 75th Street
PASCHAL, ROY BLAKEWAY.....	515 West 124th Street
PINKEL, WILLIAM WIMAN.....	Sussex, N. J.
RAMSEY, HARRY ARTHUR M.....	855 President Street, Brooklyn

RATNER, DAVID.....	149 East 31st Street
RAVIN, JULIUS.....	100 Madison Street
RESLER, ALTER SIEGMUND.....	86 Lewis Street
RITTER, CLARENCE JOHNSON.....	37 North Broadway, Yonkers, N. Y.
ROBINSON, MATTHEW HENRIETTE.....	325 Marshall Street, Elizabeth, N. J.
ROKACH, MAX MORRIS.....	38 Suffolk Street
RUSSIN, URIEL.....	137 West 27th Street
RUTHS, GEORGE.....	(Br) 1212 Franklin Avenue
SAMUELSON, MEYER JOSEPH.....	(Br) 1007 Linton Avenue
SCHMIDT, ERNEST CHARLES.....	1502 Avenue C, Brooklyn
SCHWARTZ, HENRY.....	814 Second Avenue
SISSelman, LEOPOLD.....	169 East 109th Street
SMITHLINE, HERMAN.....	48 Pitt Street
STEEN, EDWARD DANIEL.....	Highland Falls, N. Y.
STERRITT, WASHBURN W. (U. C.).....	31 Ellis Place, Ossining, N. Y.
SUHR, LOUISE SELINE.....	589 Spring Street, West Hoboken, N. J.
SULLIVAN, JOHN FRANCIS.....	33 Grove Place, Utica, N. Y.
TEITELBAUM, HARRY.....	206 Bergenline Avenue, Union Hill, N. J.
TOWNER, WILLIAM ARTHUR (U. C.).....	Brewster, N. Y.
TWIGGAR, LEE WALTER.....	Ossining, N. Y.
TWISS, DONALD CRAIG.....	57 West Street, Ilion, N. Y.
VALLIERE, OSWALD JOSEPH D.....	160 Fourth Street, Long Island City
VANNUTELLI, ALESSANDRO (C.).....	854 Second Avenue
VELLONE, JOSEPH A. (C.).....	254 Hudson Street
WARD, MARSHALL HASKIN.....	94 Fairview Avenue, Plainfield, N. J.
WEIR, HORACE G.....	129 South Shaffer Street, Springfield, Ohio
WRAY, PINCKNEY COVINGTON.....	Martinsville, Va.
Juniors—Class of 1907.....	97

C. stands for conditional and means that a 12-count certificate or equivalent has not been presented.

U. C. indicates University Course.

SUMMARY.

GRADUATE STUDENTS.....	24
SENIORS—CLASS OF 1906.....	234
JUNIORS—CLASS OF 1907.....	97
TOTAL.....	355

SUMMER SESSION

1905

ADMINISTRATIVE BOARD

NICHOLAS MURRAY BUTLER, Ph.D., LL.D., Litt.D. (Oxon.)
President of the University, Professor of Philosophy and Education

JAMES EARL RUSSELL, Ph.D.
Barnard Professor of Education, Dean of Teachers College

JAMES CHIDESTER EGBERT, Ph.D.
*Professor of Roman Archæology and Epigraphy, Director of the
Summer Session*

FREDERICK PAUL KEPPEL, A.B.
Secretary of the University

RUDOLF TOMBO, Jr., Ph.D.
*Adjunct Professor of Germanic Languages and Literatures, Registrar of
the University*

Faculty

FRANKLIN THOMAS BAKER, A.M.	English and Education
HAL TRUMAN BEANS, Ph.D.	Chemistry
CHARLES PETER BERKEY, Ph.D.	Geology
MAURICE ALPHEUS BIGELOW, Ph.D.	Nature Study
CHESHIRE LOWTON BOONE	Manual Training
GEORGE WILLIS BOTSFORD, Ph.D.	History
ELIZABETH BURCHENAL, B.L.	Physical Education
RUSSELL BURTON-OPITZ, M.D.	Physiology
ARMOUR CALDWELL, A.B.	English
VICTOR JOHN CHAMBERS, Ph.D.	Chemistry
JOHN ALFRED DAVIS	Physical Education
JAMES CHIDESTER EGBERT, Ph.D.	Latin
CHARLES HUBERT FARNSWORTH	Music
WILLIAM FINDLAY, Ph.D.	Mathematics
WALTER LYNWOOD FLEMING, A.M.	History
FRANKLIN HENRY GIDDINGS, Ph.D.	Sociology
HENRY DAVID GRAY, Ph.D.	English
ROSCOE GUERNSEY, Ph.D.	Greek

JOHN WILLIAM HALL, A.M.	<i>Acting Principal of Speyer School</i>
WILLIAM HALLOCK, Ph.D.	<i>Physics</i>
WILLIAM ADDISON HERVEY, A.M.	<i>German</i>
HERMAN HORRELL HORNE, Ph.D.	<i>Education</i>
ABRAHAM VALENTINE WILLIAMS JACKSON, L.H.D., Ph.D., LL.D.,	<i>English</i>
ALVIN SAUNDERS JOHNSON, Ph.D.	<i>Economics</i>
DANIEL JORDAN, B.Pd.	<i>Romance Languages and Literatures</i>
CAVALIER HARGRAVE JOÛET, Ph.D.	<i>Chemistry</i>
EDWARD KASNER, Ph.D.	<i>Mathematics</i>
CLARA BARBARA KIRCHWEY	<i>Geography</i>
GEORGE KRIEHN, Ph.D.	<i>History of Art</i>
GEORGE HERBERT LING, Ph.D.	<i>Mathematics</i>
LOUIS AUGUSTE LOISEAUX, B. ès S.	<i>Romance Languages and Literatures</i>
JAMES MACLAY, Ph.D.	<i>Mathematics</i>
NELSON GLENN MCCREA, Ph.D.	<i>Latin</i>
LAURIN HOVEY MARTIN	<i>Manual Training</i>
RALPH EDWARD MAYER, C.E.	<i>Mechanical Drawing</i>
GEORGE LOUIS MEYLAN, M.D.	<i>Physical Education</i>
EDMUND HOWD MILLER, Ph.D.	<i>Chemistry</i>
PAUL MONROE, Ph.D.	<i>Education</i>
WILLIAM PEPPERRELL MONTAGUE, Ph.D.	<i>Philosophy</i>
WILLIAM ALBERT NITZE, Ph.D.	<i>Romance Languages and Literatures</i>
WILLIAM HORACE NOYES, A.B.	<i>Manual Training</i>
WALTER BOWERS PILLSBURY, Ph.D.	<i>Psychology</i>
ARTHUR FRANK JOSEPH REMY, Ph.D.	<i>German</i>
PHILIPP SEIBERTH, A.M.	<i>German</i>
HENRY CLAPP SHERMAN, Ph.D.	<i>Chemistry</i>
WILLIAM SKARSTROM, M.D.	<i>Physical Education</i>
HENRY DIKE SLEEPER	<i>Music</i>
EDWARD LAWRENCE STEVENS, A.M.	<i>Education</i>
GEORGE DRAYTON STRAYER, A.B.	<i>Education</i>
RUDOLF TOMBO, Jr., Ph.D.	<i>German</i>
WILLIAM PETERFIELD TRENT, A.M., LL.D.	<i>English</i>
FRANK LEO TUFTS, Ph.D.	<i>Physics</i>
HERMANN T. VULTÉ, Ph.D.	<i>Domestic Science</i>
ADA WATTERSON, A.M.	<i>Nature Study</i>
CHARLES WILLIAM WEICK, B.S.	<i>Manual Training</i>
LUCY HESS WEISER	<i>Manual Training</i>
CHAUNCEY WETMORE WELLS, A.B.	<i>English</i>
FREDERICK JAMES EUGENE WOODBRIDGE, A.M., LL.D.	<i>Philosophy</i>
ROBERT SESSIONS WOODWORTH, Ph.D.	<i>Psychology</i>

Assistants

BENJAMIN RICHARD ANDREWS, A.M.	<i>Education</i>
SHIRLEY BARNES	<i>Physical Education</i>

DINO BIGONGIARI, A.B.	<i>Latin</i>
FRANK G. BRUNER, A.B.	<i>Psychology</i>
EMMA HOWELLS BURCHENAL	<i>Physical Education</i>
IDA CATHERINE CARTER, A.M.	<i>Education</i>
MELVILLE FULLER COOLBAUGH, B.S.	<i>Chemistry</i>
JEAN MARIUS GÉLAS	<i>Fencing</i>
CLARENCE EVERETT GORDON, B.S.	<i>Geology</i>
GEORGE CHRISTIAN OTTO HAAS, A.M.	<i>English</i>
GEORGE T. HOLM	<i>Swimming</i>
JOSEPH LIPKE	<i>Mathematics</i>
JESSIE CORINNE POND	<i>Manual Training</i>
DUDLEY BILLINGS REID, A.B.	<i>Physical Education</i>
CLIFF WINFIELD STONE	<i>Education</i>
EDWIN BENNETT WHEELER, B.S.	<i>Physics</i>
ROLAND HUGH WILLIAMS, A.M.	<i>Chemistry</i>

GENERAL STATEMENT

The sixth Summer Session of the University opened July 6, 1905 and closed August 17. The registration days for the Summer Session were July 3 and 5. Examinations for certificates were held on August 17.

Courses were offered in chemistry, domestic science, economics, education, English (including rhetoric and composition), geography, geology, German, Greek history, Latin, manual training, mathematics, mechanical drawing, music, nature study, philosophy, physical education, physics, physiology, psychology, Romance languages, and sociology.

Each course consisted of thirty lectures or other exercises, or their equivalent in laboratory or field work. Credit for such courses in the Summer Session as are accepted by the several Faculties of the University in partial fulfilment of the requirements for degrees or for teachers' diplomas, may only be claimed by those who sustain satisfactorily the examination at the conclusion of the course.

The tuition fee for the Summer Session is \$30, which covers courses of instruction aggregating three points credit, the limit allowed by the regulations.

A registration fee of \$5 is charged to all students who join the University for the first time at the Summer Session. This registration fee will relieve the student from any further payment for matriculation. The Gymnasium fee of \$5, including the use of the gymnasium, a private locker, and the privilege of the swimming pool, is required of all students who take certain courses in physical education, as listed in the *Announcement*, or who make use of the swimming pool, but is optional for all others.

The Summer Session is open to men and women on equal terms.

For the *Announcement* of the Summer Session of 1906, which will

open July 5, and offer a wide range of courses, or for information regarding dormitory accommodations, or board and lodging, address the Secretary of Columbia University, New York.

Summer Courses in Medicine

The third series of summer courses in Medicine for men was offered in 1905. Courses were given in physical diagnosis, laryngology, obstetrics, surgery (hospital) and technique of microscopic pathology.

This work will be continued in the summer of 1906, and persons interested are requested to apply for the *Announcement* of the Summer Courses in Medicine, which will be furnished without charge upon application after February 1 to the Secretary of the University.

REGISTER OF STUDENTS, 1905

Summer Session

* Students matriculated in the University for degree or diploma.

ABEL, BENJAMIN LEE.....	Buffalo, N. Y.....	1230 Amsterdam Avenue
* ADAIR, MARY HERBERT.....	Raritan, N. J.....	1230 Amsterdam Avenue
ADAMS, EDITH SHERWIN.....	Helena, Mont.....	210 West 85th Street
	Columbia University, B.S., 1905.	
ADAMS, KATHLEEN M.....	Montclair, N. J.....	
* AGNEW, THOMAS, JR.....	Bloomfield, N. J.....	
ALDRICH, SYBIL BACON.....	Boston, Mass.....	1230 Amsterdam Avenue
ALEXANDER, GEORGIA ALENA.....	Indianapolis, Ind.....	416 West 118th Street
ALEXANDER, IDA CALHOUN.....	Washington, Ga.....	1230 Amsterdam Avenue
ALLEN, ELIZABETH.....	Goldsboro, N. C.....	1230 Amsterdam Avenue
* ALLEN, HARRY, JR.....	42 Cedar pl, Yonkers, N. Y.....	
ALLEN, MARY SCOTT.....	501 West 120th Street	
ALLEN, WILLIAM C.....	103 West 88th Street	
	College of the City of New York, B.S., 1895.	
ALLERTON, MARY GREENWOOD.....	280 Lafayette Avenue, Passaic, N. J.....	
* ALLIS, MARY LINCOLN.....	Amherst, Mass.....	1230 Amsterdam Avenue
ALLISON, FRED.....	Emory, Washington Co., Va.....	
	Emory and Henry College, A.B., 1904.	
AMBROSE, LUCY DOUGHERTY.....	912 Dayton Street, Cincinnati, O.....	1230 Amsterdam Ave.
AMBROSE, MADGE G.....	Avenue J, Corner East 31st Street, Brooklyn, N. Y.....	
* ANDERSON, ALBERTINA CECELIA.....	Starbuck, Minn.....	1230 Amsterdam Avenue
* ANDERSON, ANNIE STUART.....	Louisville, Ky.....	417 West 118th Street
ANDERSON, HARRY.....	114 Remsen Street, Astoria, N. Y.....	
* ANDREWS, W. ALMON.....	Allegany, N. Y.....	416 West 118th Street
* APPLEBY, FLAVIUS THOMPSON.....	Lewisburgh, Tenn.....	439 West 123d Street
	University of Tennessee, B.S., 1901.	
* APPLEWHITE, MARY KATHARINE.....	Scotland Neck, Halifax Co., N. C.....	1230 Amsterdam Avenue
ARCHBOLD, ANNIE E.....	559 West 149th Street	
ARMSTRONG, ADDISON COOKE.....	411 West 117th Street	
* ARMSTRONG, ALBERT CHARLES.....	Detroit, Mich.....	1230 Amsterdam Avenue
* ARNEMANN, C. EDWARD.....	508 Oak Street, West Hoboken, N. J.....	1170 Broadway
ARNOLD, JAMES LORING.....	418 West 118th Street	
	Columbia University, A.B., 1891.	
	University of Leipsig, Ph.D., 1897.	
* ASHCROFT, CARRIE VAN RENSSELAER.....	27 Manhattan Avenue	
* ASHFORTH, GEORGE.....	301 West End Avenue	
ATWELL (Mrs.), S. VIRGINIA.....	Worcester, Mass.....	1230 Amsterdam Avenue
* AUERBACH, HERBERT S.....	Salt Lake City, Utah.....	40 West 77th Street
* AUNSPAUGH, JULIA GRAHAM.....	Norfolk, Va.....	418 West 118th Street
* AXTELL, FLORENCE JOSEPHINE.....	Deposit, N. Y.....	330 Alexander Avenue
BAGOT, GRACE PAULINE.....	Buffalo, N. Y.....	1230 Amsterdam Avenue

- BÄHR, IDA M. 186 Herkimer Street, Brooklyn, N. Y.
- BAIRD, LOUISA. Louisville, Ky. 417 West 118th Street
- * BAKER, BYRON WARREN. 501 West 149th Street
- BAKER, WALTER DAVIS. Indianapolis, Ind. 1230 Amsterdam Avenue
Cornell University, A.B., 1898.
- BALDWIN, ALICE GERTRUDE. Wilmington, Del. 248 West 120th Street
- * BANGS, HENRY McCOMB. 627 West 118th Street
- BANZHAF, ALBERT H. T. 309 West 93d Street
- BARBOUR, CEIL DICKERSON. Hanford, Cal. 1230 Amsterdam Avenue
- BARGFREDE, JOHN FREDERICK. Pearl River, Rockland Co., N. Y. 1230 Amsterdam Avenue
- BARGUET (Mrs.), CHARLOTTE E. 95 Reid Avenue, Brooklyn, N. Y.
- * BARKLEY, JAMES ALEXANDER. Lake George, N. Y. 1230 Amsterdam Avenue
- BARKLEY (Mrs.), MARY PETRIE. Lake George, N. Y. 1230 Amsterdam Avenue
- BARKLEY, NELLIE. Argyle, N. Y. 1230 Amsterdam Avenue
- * BARNES, SUSIE. Kirksville, Mo. 415 West 118th Street
State Normal School of Missouri, A.B., 1905.
- BARNETT, D'ARCY C. Cambridge, Md. 1230 Amsterdam Avenue
Maryland Agricultural College, A.B., 1898.
- * BARTON, ROSE MAYARD. 508 West 112th Street
Cornell University, A.B., 1893.
- * BASSETT, HARRY KENDALL. Marble Hill, Kingsbridge, N. Y.
- BEHNKEN, ERNA LUCIE. 466 Fifth Street, Brooklyn, N. Y.
- BEHNKEN, HENRY EMILE. 466 Fifth Street, Brooklyn, N. Y.
Cornell University, A.B., 1904.
- BELLANTONI, CLEMENTINE. 259 West 122d Street
- BEMAN, LYNN W. Cleveland, Ohio. 416 West 118th Street
- BENNETT, AGNES LEONARD. 323 State Street, Hackensack, N. J.
Columbia University, A.B., 1900.
- * BENNETT, HELEN PIERCE. Belmont, Cal. 1230 Amsterdam Avenue
- BERMINGHAM, EDWARD JOHN 2d. 750 St. Nicholas Avenue
- BERTHOLD, CARRIE. 301 West 108th Street
- * BISHOP, HARTWELL. 250 West 88th Street
Harvard University, A.B., 1903.
- BISHOP, SAMUEL WOOD. 1022 Rebecca Street, Allegheny, Pa. 50 West 105th Street
- BIVINS, CHALFANT EDWIN. 764 De Kalb Avenue, Brooklyn, N. Y.
- BLAIR, VEVIA. 417 West 118th Street
- BLAKE, MARY WASHINGTON. 2400 Seventh Avenue
- BLAUVELT, CHARITY. 217 West 106th Street
- BLESSING, CHARLES WINNE. Slingerlands, N. Y. Bretton Hall, Broadway and 86th Street
Union College, A.B., 1888.
Boston University, S.T.B., 1893.
- BLISS, ERNEST FRED. 135 East 49th Street
- * BLUE, ADELE. Macon, Bibb Co., Ga. 1230 Amsterdam Avenue
- BOAK, MABEL. 746 St. Nicholas Avenue
Vassar College, A.B., 1901.
Columbia University, A.M., 1902.
- * BODMAN, SARA EVA. Northampton, Mass. 1230 Amsterdam Avenue
- BOGERT, FRANCES G. Bogota, N. J. 1230 Amsterdam Avenue
- * BOISSE, PIERRE SETH. 137 East 73d Street
- * BONDY, EUGENE LYONS. 477 Manhattan Avenue
- BONNER, EDWARD JAMES. Dansville, N. Y. 526 West 123d Street
Hamilton College, A.B., 1899; A.M., 1902.
- BONNER, RICHARD OLIVER. Rockville Centre, N. Y.
- BOORMAN (Mrs.), CHARLOTTE SAYRE. Lafayette Boulevard, West 173d Street
- BOSTROEM, MARY. 1019 East 162d Street
Normal College, New York City, A.B., 1900.

- * **BOURLAND, ALBERT PIKE**.....Nashville, Tenn.....1230 Amsterdam Avenue
Southwestern University, A.M., 1883.
- BOWMAN, MARY ENDOCIA**...Meriden, Conn....111 St. John's Place, Brooklyn, N. Y.
- BOYNTON, EDITH CHURCH**.....73 Lafayette Avenue, Passaic, N. J.
- BOYNTON, REES JAY**.....Paterson, N. J.
- * **BRACKETT, MARY MORRELL**.....604 West 115th Street
Columbia University, A.B., 1899.
- BRADBURY, ANNA WHITNEY**.....64 West 77th Street
- BRADFORD, WILLIAM**.....3 Capitol Avenue, Salt Lake City, Utah
- * **BRADIN, SOPHIE JACKSON**.....Hartford, Conn.....1230 Amsterdam Avenue
- BRADY, KATHARINE ROGERS**.....72 Van Siclen Avenue, Brooklyn, N. Y.
- * **BRAINERD, HELEN KATHARINE**....St. Albans, Vt.....528 West 123d Street
Wellesley College, A.B., 1900.
- * **BRANDAU, GEORGE JULIUS**.....115 Butler Street, Brooklyn, N. Y.
- * **BRATTON, ETHEL CHARLOTTE**....Williamstown, Mass.....420 West 124th Street
- BRAYDEN, GEORGE PERCY ALEX**.....22 Bartholdi Avenue, Jersey City, N. J.
New York University, A.B., 1903.
- * **BREED, PERSIS MARY**..1615 First Street, Louisville, Ky...1230 Amsterdam Avenue
Vassar College, A.B., 1899.
- * **BREWER, ANNIE TAYLOR**.....Anniston, Ala.....1230 Amsterdam Avenue
- BREWTON, MARY M.**.....McRae, Ga.....1230 Amsterdam Avenue
Monroe College, A.B., 1901.
- BRIDGES, EDITH MABEL**.....Des Moines, Ia.....320 East 20th Street
Drake University, Ph.B., 1900; A.M., 1902.
- BRIGGS, EMILY ELIZABETH**....Providence, R. I. 956 Fulton Street, Brooklyn, N. Y.
Wellesley College, B.S., 1892; A.M., 1901.
- * **BRIGGS, FRANK ELLSWORTH**.....Nantucket, Mass.....439 West 123d Street
Bowdoin College, A.B., 1894.
- * **BRISON, MARY JUANITA**.....West Gore, Nova Scotia.....27 East 24th Street
- BROCKHAUSEN, ANNA**.....Indianapolis, Ind.....1230 Amsterdam Avenue
- BRODERSEN, GENEVIEVE CHRISTINE**....Bardstown, Ky.....1230 Amsterdam Avenue
Bardstown M. and F. Institute, A.B., 1897.
- BROOKS (Mrs.), MARY LOU H.**.....1230 Amsterdam Avenue
- * **BROPHY, PAUL FITZGERALD**.....West New Brighton, Staten Island, N. Y.
- BROSS, JESSIE F.**...125 Decatur Street, Brooklyn, N. Y....1230 Amsterdam Avenue
- BROWER, JOSEPHINE**.....St. Cloud, Minn.....1230 Amsterdam Avenue
- BROWN, GEORGE WASHINGTON**..Newburyport, Mass.....1230 Amsterdam Avenue
- BROWN, HAROLD HAVEN**.....518 West 151st Street
- BROWNE, ROBERT LITTLE**.....153 West 22d Street
College of the City of New York, A.B., 1897.
- BROWNSCOMBE, FRED J.**.....Montpelier, Vt.....530 West 123d Street
- BRUNNER, BEULAH**.....St. Louis, Mo.....417 West 114th Street
- BRYAN, EDWARD H.**.....Sergeantsville, N. J.....231 West 11th Street
- * **BRYAN, WILLIAM FRANK**.....Asheville, N. C.....1230 Amsterdam Avenue
University of North Carolina, Ph.B., 1900.
- BULLARD, EDITH**.....Flushing, N. Y.
- * **BURCH, T. HAMILTON, Jr.**.....106 West 57th Street
Columbia University, Mech.E., 1905.
- BURDICK, MABEL GRAY**.....4 Harrison Street, Stapleton, S. I., N. Y.
- BURGES, SARAH ELLEN**..16 North 30th Street, Richmond, Va..1230 Amsterdam
Avenue
- * **BURNS, GRANT**.....423 West 117th Street
- BURNS, LUCY**.....Brooklyn, N. Y.....1230 Amsterdam Avenue
Vassar College, A.B., 1902.
- * **BUXTON, GEORGE FREDERICK**.....Menomomi, Wis.....Union, N. J.

- BYRNE, MARY B. C. 497 3d Avenue, Troy, N. Y. 222 Union Street, Brooklyn, N. Y.
 BYRNES, CORNELIUS ALPHONSUS. 291 Front Street
 * BYSHE, ERNEST W. Rowayton, Fairfield Co., Conn.
 Taylor University, A.B., 1901.
- CAIN, ELLEN M. 112 East 90th Street
 * CALHOUN, MARY EDWARDS. 176 West 87th Street
 Columbia University, A.B., 1905.
- CALLAHAN, JOSEPH T. P. 332 East 123d Street
 College of the City of New York, B.S., 1902.
- CAMPBELL, BESSIE. 596 East 141st Street
 CAMPBELL, BLANCHE E. Milledgeville, Ga. 1230 Amsterdam Avenue
 CAMPBELL, EVELYN M. McRae, Ga. 1230 Amsterdam Avenue
 Monroe College, A.B., 1904.
- CAMPBELL, HAROLD GEORGE. 135 Russell Street, Brooklyn, N. Y.
 CARDOZO, LOUIS LOPES. 25 Hampton Place, Brooklyn, N. Y.
 CARLISLE, LENORE NELSON. 240 Fifth Avenue, Mt. Vernon, N. Y.
 New Windsor College, A.B., 1896.
- * CARLSON, CARL OSCAR. 1476 Lexington Avenue
 College of the City of New York, B.S., 1896.
- CARNEY, CARRIE M. Nashville, Tenn. 443 Gates Avenue, Brooklyn, N. Y.
 CARPENTER, FANNIE RUTH. Elberton, Ga. 541 West 124th Street
 CARPENTER, MARY GAGER. Wheeling, W. Va. 1230 Amsterdam Avenue
 * CARPENTIER, MARIUS ALEXANDER. 170 Lee Avenue, Brooklyn, N. Y. 1230 Amsterdam Avenue
 College of the City of New York, B.S., 1889.
 College of Pharmacy of the City of New York, Ph.G., 1891.
- * CARRIS, LEWIS HERBERT. Freeport, N. Y. 418 West 118th Street
 Hobart College, B.L., 1898.
- CARSCALLEN, CLARA BECKETT. Ventura, Cal. 492 Van Cortlandt Park, Lower Yonkers, N. Y.
- * CARTER, DOUGLAS S. 130 East 24th Street
 CARTER, JOSEPH FRANCIS. 353 Summer Street, Boston, Mass. Mills Hotel, Bleecker Street
 Boston University, Ph.B., 1902.
- * CASHMAN, JOSEPH FRANCIS. 611 East 21st Street, Brooklyn, N. Y.
 Adelphi College, A.B., 1905.
- CHALKER, LEONIDAS ROBINSON. New Haven, Conn. 280 West 115th Street
 CHALMERS, MARY. 241 West 139th Street
 * CHAMBERS, MARY DAVOREN. Decatur, Ill. 1230 Amsterdam Avenue
 CHAMPION, ELLA. Wharton, N. J.
 CHANDLER, SARAH PRESWICK. 707 West 3d Street, Pittsburg, Kan. 417 West 114th Street
- CHAPPLE, LOUIS ALBERT. 518 10th Street, Brooklyn, N. Y.
 CHASE, EDWARD MOFFAT. 419 West 118th Street
 CHATFIELD, GEORGE HERBERT. 19 West 106th Street
 * CHENEY, GEORGE WALKLEY. 236 Johnson Avenue, Brooklyn, N. Y.
 CHRISTIAN, EDMONIA MADISON. Baltimore, Md. 1230 Amsterdam Avenue
 CHRISTIE, CHESTER IRVING. 177 West 95th Street
 CHRISTIE, ELSIE WALLACE. 177 West 95th Street
 CHRISTLEIN, JOHANNA. 919 Cauldwell Avenue
 CLARK, MARGARET C. Tenafly, Bergen Co., N. J.
 CLARK, SIDNEY MILTON. 427 Franklin Avenue, Brooklyn, N. Y.
 CLEMENCY, ANNA ELIZABETH. 211 Tillary Street, Brooklyn, N. Y.
 COBB, FRANCES LUCRETIA. Cameron, Texas. 1230 Amsterdam Avenue
 * COBB, MARGARET EULALIE. Cameron, Texas. 1230 Amsterdam Avenue
 University of Texas, A.B., 1898.

- COFFEEN, ELMER LAMPHER.....Marshalltown, Iowa.....500 West 123d Street
Carleton College, A.B., 1893; A.M., 1898.
- * COHEN, ABRAHAM BRODERICK.....283 Osborn Street, Brooklyn, N. Y.
- * COHEN, AMELIA.....Aqueduct Avenue and 182d Street
- COLE, LUCY K.....Seattle, Wash.....1161 Amsterdam Avenue
- COLONY, ROY JED..Armour Villa Park, Yonkers, N. Y...Cooper Union, Cooper Square
- CONANT, SARAH HOWARD.....526 West 114th Street
Wellesley College, B.S., 1887.
- CONE, VERA NATALIE.....Louisville, Ky.....419 West 118th Street
- CONKLIN, DAISY JEAN.....125th Street and Eighth Avenue
Normal College of New York, M.S., 1898.
- * CONKLIN, ISAAC THORN.....Peekskill, N. Y.
- * CONKLIN, MARY JEANNETTE.....Columbia, Pa.....1230 Amsterdam Avenue
- CONKLING, RUBY MAY.....Louisville, Ky.....8 West 17th Street
- CONOVER, RICHARD STEVENS.....Concord, N. H.....143 West 71st Street
Rutgers College, B.S. 1903.
- * CONWAY, MARY M.....Cortland, N. Y.....1230 Amsterdam Avenue
- * COOK, ALBERT SAMUEL.....Towson, Md.....1230 Amsterdam Avenue
Princeton University, A.B., 1895.
- * COOK, ELLEN PARMELEE.....Northampton, Mass.....95 Rivington Street
Smith College, B.S., 1893.
- * COOK, FRIEDA HERMINA.....1267 Fifty-sixth Street, Brooklyn, N. Y.
- * COOK, WILLIAM PIERSON, Jr.....488 Nostrand Avenue, Brooklyn, N. Y.
- * CORN, BELMONT.....23 East 128th Street
- CORNELL, HAZEN MAY.....Louisville, Ky.....419 West 118th Street
- CORNWELL, BLANCHE A.....159 Gates Avenue, Brooklyn, N. Y.
- * CORT, AMBROSE.....414 West 150th Street
Franklin and Marshall College, A.B., 1892; A.M., 1897.
- CORWIN, CLIFFORD EGBERT.....Marietta, Ohio.....500 West 143d Street
Marietta College, A.B., 1892; A.M., 1901.
- COTTER, MARY.....384 East 18th Street, Brooklyn, N. Y.
- * COVENEY, REGINA.....146 Seventh Avenue, Brooklyn, N. Y.
- * COVINGTON, LOUISE WOODFORD....Richmond, Ky.....1230 Amsterdam Avenue
St. Katharine's School, A.B., 1903.
- COX, MARY VENABLE.....Farmville, Va.....1230 Amsterdam Avenue
- CRAIG, DAVID SCHEETZ.....478 West 145th Street
- CRANDALL, LINTON BROWN.....Alfred, N. Y.....1230 Amsterdam Avenue
Alfred University, B.S., 1904.
- * CRAWFORD, LEONIDAS WAKEFIELD, Jr..Reidsville, N. C...Earl Hall, Columbia Uni-
versity
Trinity College, A.B., 1898.
Columbia University, A.M., 1903.
- * CRAWFORD, RICHARD MCLEOD.....Greensboro, N. C.....457 West 123d Street
Columbia University, B.S., 1905.
- CRISWELL, NANCY JANE.....Chambersburg, Pa.....1230 Amsterdam Avenue
Wilson College, A.B., 1889.
- CUDDIHY, ARTHUR BRADFORD.....600 St. Mark's Avenue, Brooklyn, N. Y.
- CULMAN, CARL WILLIAM.....476 West 143d Street
- * CURRIE, THOMAS HATFIELD.....507 West 112th Street
Harvard University, A.M., 1893.
- * CUSHMAN, HANNAH MARY....300 North 5th Street, Reading, Pa.....73 Manhattan
Avenue
- * DAILEY, FANNIE AVERILLE.....Tacoma, Wash.....1230 Amsterdam Avenue
- DALE, JULIA.....Vidalia, La.....1230 Amsterdam Avenue
- DAVENPORT, FRANCES ISABEL..37 North Church Street, Cortland, N. Y...411 West
115th Street
Columbia University, B.S., 1904.

- DAVIES, JENNIE.....51 Percy Street, Flushing, N. Y.
- DAVIS, ELLA PARK...1329 Chapel Street, Walnut Hills, Cincinnati, O....1230 Amsterdam Avenue
- * DAVIS, JACKSON.....Richmond, Va.....431 West 117th Street
College of William and Mary, A.B., 1902.
- DAWSON, FLOY.....Stillwater, Okla.....1230 Amsterdam Avenue
- DAY, JENNY.....New Albany, Ind.....500 West 121st Street
- * DEACON, HELEN GRAZIELLA.....108 East 86th Street
- DEAL, ALICE.....Hampstead, Md.....1230 Amsterdam Avenue
Woman's College of Baltimore, A.B., 1899.
- DEAN, CLARA ROSAMUND...15 Nonatuck Street, Northampton, Mass...1230 Amsterdam Avenue
- * DEAN, JOHN CLARK...Elmira, Chemung Co., N. Y.....431 West 117th Street
Hamilton College, A.B., 1905.
- DE COMPS, PAULINE L.....75 St. Mark's Avenue, Brooklyn, N. Y.
- * DE LARA, FRANK BELASCO.....305 West 130th Street
- DENMARK, EMMA COTTEN.....Forsyth, Ga.....1230 Amsterdam Avenue
Martin College, Tenn., A.B., 1889.
- * DENTON, MABEL.....271 East 32d Street, Paterson, N. J.
Columbia University, A.B., 1904.
- DENVER, KATHLEEN.....426 St. Nicholas Avenue
- * DENZER, BERNARD S.....22 Edgewood Park, New Rochelle, N. Y.
- DEWING, EDWARD OGDEN.....State Hospital, Brooklyn, N. Y.
- DHALLA, MANECKJI NUSSERVANJI.....Karachi, India.....430 West 118th Street
- * DICKSON, ANNA MOORE.....St. Paul, Minn.....417 West 118th Street
Macalester College, A.B., 1898.
- DOAN, EMMA MAUDE.....Clinton, Ont., Canada.....1230 Amsterdam Avenue
- * DODDS, MARTHA E.....Delhi, N. Y.....325 Lenox Avenue
- DOLAN, AGNES.....661 Ninth Avenue
- * DONAHUE, THOMAS JAMES.....1094 Franklin Avenue
College of the City of New York, B.S., 1897.
Columbia University, A.M., 1905.
- * DONOVAN, JAMES JOSEPH.....227 East 82d Street
- * DOSTER, JAMES JARVIS.....Troy, Ala.....417 West 118th Street
State Normal College of Alabama, Ph.B., 1902.
- DOTGER, ANNA DORATHY.....Charlotte, N. C.....1230 Amsterdam Avenue
- * DOTY, OLIVER KEESE.....614 West 113th Street
- DOUGHERTY, JAMES HUGH.....449 West 36th Street
- DREYFUSS, ROBERT.....137 West 127th Street
- DREWRY, MYRTLE.....Griffin, Ga.....541 West 124th Street
- * DRUCKER, AARON P.....Brunswick, Ga.....1359 Fifth Avenue
Columbia University, A.B., 1901.
- DRUMMOND, GRACE.....Newark, N. J.....1230 Amsterdam Avenue
- * DUDLEY, SARAH ELEANOR.....North Pleasureville, Ky....501 West 113th Street
Vassar College, A.B., 1897.
- DUNN, JOSEPH GALE.....734 East Third Street, Brooklyn, N. Y.
Adelphi College, B.S., 1905.
- EATON, JEANNETTE M.....Pittsburg, Pa.....1230 Amsterdam Avenue
- * EDGELL, FRANK DEXTER.....541 West 124th Street
Amherst College, A.B., 1893.
- EDGERTON, FREDERICK WILLIAM.....New London, Conn....1230 Amsterdam Avenue
Harvard University, B.S., 1903.
- * EGBERT, HARRY DREW.....425 West 146th Street
- * EGGELING, THYRA ELIZABETH.....Clifton, N. Y.....419 West 118th Street
- EISENSTEIN, LEO.....2310 Second Avenue
- * ELDRED, MARY LOUISE.....94 Vernon Avenue, Brooklyn, N. Y.

- * ELLIOTT, CHARLES HERBERT.....Belleville, Ill.....501 West 120th Street
ELLWANGER, HELEN MARGARET.....Rochester, N. Y.....533 West 124th Street
University of Rochester, A.B., 1904.
- ELSON, FRANK W.....Clinton, Iowa.....1230 Amsterdam Avenue
ELWELL, MARY ELVIRA.....Pueblo, Col.....1230 Amsterdam Avenue
* EMMONS, MARY.....Frenchtown, Hunterdon Co., N. J.....1230 Amsterdam Avenue
ENGEL, HERMAN FRANK.....Athol, Mass.....449 West 123d Street
* ENNIS, C. NORA.....Milledgeville, Ga.....1230 Amsterdam Avenue
ESCHMAN, LILY I.....246 Lenox Avenue
* ESPINOSA, CARLOS.....Lima, Peru.....430 West 118th Street
* EYESTONE, LURA MARY.....Normal, Ill.....1230 Amsterdam Avenue
* FAIR, EUGENE.....Kirksville, Mo.....415 West 118th Street
University of Missouri, A.B., 1904.
- FAIRCHILD, CALPHURINA LORRAINE.....144 West 123d Street
Normal College, New York City, A.B., 1903.
- * FALLS, MARY ELIZABETH.....420 West 124th Street
FARGO, BERTHA SEAMAN.....1230 Amsterdam Avenue
FARRIES, JAMES TAYLOR.....55 East 88th Street
College of the City of New York, A.B., 1901.
- FAULKNER, ALICE SHECKLETON...Sea Cliff, N. Y...393 Third Street, Brooklyn, N. Y.
FAY, MARY MARGARET.....130 East 105th Street
Normal College, New York City, A.B., 1899.
- * FEIGENBAUM, WILLIAM MORRIS.....122 Rockaway Avenue, Brooklyn, N. Y.
* FELLOWS, SAMUEL FRANCIS.....Monticello Hotel, West 64th Street
FENNER, CLARENCE NORMAN.....Paterson, N. J.
Columbia University, E.M., 1892.
- FERBER, LOUISE AUGUSTA.....Taunton, Mass.....1230 Amsterdam Avenue
* FISCHER, EMIL EMANUEL.....125 First Street
FITCH, CORA LOUISE.....Tacoma, Wash.....2 West 88th Street
FITZGERALD, ARTHUR GROVER.....Duluth, Minn.
FITZGIBBON (MRS.), MARY J.....148 East 86th Street
* FITZPATRICK, EDWARD AUGUSTUS.....69 Pike Street
FLOOD, WILLIAM HENRY.....310 Central Avenue, Jersey City, N. J.
* FLOWER, HERBERT J.....Passaic, N. J.....500 West 121st Street
FLUHRER, LEWIS PULLMAN.....604 West 114th Street
* FOLLETT, MARY LUCRETIA.....Far Rockaway, N. Y.
Boston University, Ph.B., 1898.
- FONTS, HUMBERTO.....157 West 82d Street
FORNEY, MARY CAROLINE.....Jacksonville, Ala.
FORREST, COOVER WINFRED.....Ames, Iowa.....1161 Amsterdam Avenue
FOX, ELSIE.....1444 Fifth Avenue
Normal College, New York City, A.B., 1905.
- * FRANCIS, CAROLYN LOUISE.....Honeoye Falls, N. Y.....239 West 141st Street
FRANK, ANNA.....49 East Fifth Street, Bayonne, N. J.
FRANKE, CLARA ELSA.....Tarrytown, N. Y.
FRAYSER, NANNIE LEE.....900 Fifth Avenue, Louisville, Ky.....418 West 118th Street
Hampton College, A.B., 1885.
- * FRAZIER, MOSES LEONARD.....116 West 134th Street
Columbia University, A.M., 1902.
- * FREEMAN, JENNIE.....171 Eighth Street, Jersey City, N. J.
FREEMAN, ROBERT F...St. Stephens, S. C....831 Fulton Street, Brooklyn, N. Y.
Clafin University, A.B., 1905.
- FREITAG, LENA.....Ottumwa, Iowa.....515 West 111th Street
FREUND, ELLY.....1360 Boston Road
Normal College, New York City, A.B., 1904.

- * FRIED, JEROME ARTHUR.....47 West 87th Street
 FRIEDMAN, FERDINAND J.....16 East 92d Street
 FRITZ, HENRY EUGENE.....North Pelham, N. Y.....1193 Broadway
 GAILLARD, MARIE E.....Dahlonega, Ga.....417 West 118th Street
 N. G. A. College, A.B., 1902.
- GAINES, AMY WARNER.....Stratford, Conn.....1230 Amsterdam Avenue
 * GALLAHER, ADA ROSE.....New Washington, Pa.....404 West 124th Street
 * GALLERT, DORIS PAULA.....48 West 119th Street
 Columbia University, A.B., 1904.
- GARBARINI, MARY AGNES.....16 Grand Street
 * GARRETY, WILLIAM PLYMON.....175 Lexington Avenue
 College of the City of New York, B.S., 1897.
- GASCOYNE, JR., WILLIAM JOHN.....2741 North Charles Street, Baltimore, Md.. 1230
 Amsterdam Avenue
- GASTON, MABEL.....Somerville, N. J.....1230 Amsterdam Avenue
 * GAY, FRAZER WALKER.....39 South Tenth Street, Newark, N. J.
 Columbia University, A.B., 1904.
- GAYMAN, BERTHA LOUISE.....Dauphin, Pa.....1230 Amsterdam Avenue
 GEIGER, ELLA L....3 Ferncliff Avenue, Springfield, Ohio.....417 West 118th Street
 Wittenberg College, A.B., 1902.
- * GERHARD, HANS WEISKIRCH.....39 Strong Place, Brooklyn, N. Y.
 GERKEN, WALTER D.....377 Fifth Street, Brooklyn, N. Y.
 Cornell University, B.S., 1899.
 Columbia University, A.M., 1902.
- GIFFORD, EDWARD CLARK..South Boston, Mass.. 267A Lewis Avenue, Brooklyn, N. Y.
- * GILLIE, GEORGE ROSS.....90 Convent Avenue
 GIRARD, LUCIE MAUDE.....358 Nostrand Avenue, Brooklyn, N. Y.
 * GLAVIN, JAMES EDWARD.....West Albany, N. Y.
 GODARD, GABRIELLE.....202 West 78th Street
 * GOEDKOOP, ANNIE ELIZABETH.....75 Cedar Street, Paterson, N. J.
 * GOETZ, NORMAN S.....25 East 73d Street
 GOLDBLOOM, SIMON L.....86 Dean Street, Brooklyn, N. Y.
 * GOLDRICH, LEON WOLF.....412 St. Nicholas Avenue
 College of the City of New York, B.S., 1894.
 University of the City of New York, LL.B., 1897.
- * GOLDSMITH, THEODORA.....1320 Fifty-Second Street, Brooklyn, N. Y.
 Adelphi College, A.B., 1901.
- * GOLDSTONE, JR., LAWRENCE PRESTON.....Richmond Hill, N. Y.
- * GOLLOMB, JOSEPH.....59 East 100th Street
 College of the City of New York, A.B., 1902.
- GOODWIN, EMILY NICHOLS.....Brooklyn, N. Y.....457 West 123d Street
 GOODYEAR, CAROLINE.....1 West 102d Street
 GOTTLIEB, RUBY HORTENSE.....108 East 82d Street
 GOULD, ADELAIDE.....2 West 129th Street
 Normal College, New York City, A.B., 1901.
- GRACE, JOSEPHINE MADELINE.....430 St. Nicholas Avenue
 * GRAHAM, HORACE R.....536 West 114th Street
 * GREEFF, GERHARD ERNEST HUGH.....College Point, N. Y.....627 West 115th Street
 * GREIFF, VICTOR.....379 West End Avenue
 GRIFFIN, ELLA MAE.....Temple, Ga.....1230 Amsterdam Avenue
 GRIFFIN, JOSEPH THOMAS.....725 Carroll Street, Brooklyn, N. Y.
 GRISHAM, G. N.....Kansas City, Mo.....132 West 32d Street
 Brown University, A.B., 1878.
- GRISWOLD, CLIFFORD BURNHAM..92 Brookes Avenue, Burlington, Vt.. 500 West 121st
 Street
 University of Vermont, B.S., 1901.

- GROSS, MARY GIDDINGS.....Boston, Mass.....419 West 118th Street
 GUTELIUS, SAMUEL JONES.....327 West 112th Street
 GUTHORN, SEYMOUR.....103 East 123d Street
 * HAAR, DAVID.....13 Livingston Place
 * HAGEMANN, ROBERT HERMAN, Jr.....228 Johnson Avenue, Brooklyn, N. Y.
 HALCY, GRACE MAY.....270 Navy Street, Brooklyn, N. Y.
 HALL, BELLE JANE.....368 Lexington Avenue
 * HALL, FRANCES ESTELLE.....99 Tonnele Avenue, Jersey City, N. J.
 Boston University, A.B., 1901.
- HAM, WILLIAM ROSS.....St. Louis, Mo.....154 East 72d Street
 Bates College, A.B., 1901.
- HAMANN, ADOLPH MARTIN.....118 Urban Street, Mt. Vernon, N. Y.
 * HAMILTON, CLEMENCE.....Poughkeepsie, N. Y.....501 West 113th Street
 University of Michigan, A.B., 1893.
 Radcliffe College, A.M., 1901.
- HAMILTON, GEORGE W.....Upland, Pa.....520 West 123d Street
 Dickinson College, A.B., 1902; A.M., 1903.
- HAMMAN, MILDRED DAYTON.....414 South Main Street, Orange, N. J.
 * HAMMERSCHLAG, HENRY ADOLPH..38 Breintinall Place, Newark, N. J....632 East
 147th Street
- HAMMOND, JANE.....Bellevue, Pa.....1230 Amsterdam Avenue
 HAMMOND, LIZZIE.....Berlin, Md.....1230 Amsterdam Avenue
 * HANEY, JOHN DEARLING.....College of the City of New York, B.S., 1893.
 New York University, M.S., 1897; LL.B., 1898.
- HANSON, MARJORIE DE SPENSER.....454 Manhattan Avenue
 HARDCASTLE, MARIANNE.....Easton, Md.....1230 Amsterdam Avenue
 HARDER, ELFRIDA.....1141 Bushwick Avenue, Brooklyn, N. Y.
 HARREUS, SUSAN.....Stapleton, S. I., N. Y.
 HARRIS, AGNES ELLEN.....Rome, Ga.....1230 Amsterdam Avenue
 HARRIS, ALICE LOUISE.....Albion, N. Y.....417 West 118th Street
 * HARTOG, VICTOR.....Kimberley, South Africa.....361 West 117th Street
 South African University, B.S., E.M.
- * HASTINGS, MONTANA.....417 West 118th Street
 HAUSPERGER, JOSEPHINE W.....St. Louis, Mo.....430 West 118th Street
 HAUSPERGER, KATHARINE..5368 Bartmer Avenue, St. Louis, Mo..430 West 118th Street
 HAWLEY, HARRIET.....1230 Amsterdam Avenue
 HAWORTH, ROSA.....West Newton, Ind.....527 West 124th Street
 HAYWARD, HARRIET SEAVAR.....Brockton, Mass.....1230 Amsterdam Avenue
 HAZLEHURST, EMILY.....Macon, Ga.....430 West 118th Street
 * HEAPHY, GERTRUDE MARY.....256 West 108th Street
 HEDGES, ANNA CHARLOTTE.....Brooklyn, N. Y.....411 West 115th Street
 * HEERMANS, JOSEPHINE WOODBURY...Kansas City, Mo.....417 West 118th Street
 Park College, A.B., 1905.
- * HEIGHE, FREDERICK CALVERT, Jr.....138 East 37th Street
 * HEIN, HENRY EMMO.....1163 Boston Road
 College of the City of New York, A.B., 1902.
- * HELLENBERG, LAWRENCE HERMAN.....130 West 136th Street
 HELMING, EMILY MATILDA.....Indianapolis, Ind.....Box 125, Nutley, N. J.
 * HELMRICH, ELSIE WINIFRED.....New Rochelle, N. Y.
 HENDRICKSON, IDA D.....2421 Eighth Avenue
 * HENDRIE, WILLIAM EDWIN..460 Dufferin Avenue, London, Can..338 West 46th
 Street
 University of Toronto, A.B., 1903.
- * HENKE, JOHN HENRY.....Evansville, Ind.....151 West 99th Street
 Indiana State University, A.B., 1896.

- HENTZ, GEORGE LOUIS.....136 Ross Street, Brooklyn, N. Y.
St. Francis Xavier College, A.B., 1898; A.M., 1899.
New York University, A.M., 1902.
- HERBST, EVA.....Cincinnati, Ohio.....500 West 121st Street
- HERRICK, MARION TYLER.....61 West 104th Street
Mt. Holyoke College, B.S., 1895.
- HESTER, LUCY G.....Boisé, Idaho.....1230 Amsterdam Avenue
- * HEYDRICK, BENJAMIN ALEXANDER.....94 Hamilton Place, New York
Allegheny College, A.B., 1893.
Harvard University, A.B., 1895.
- HIGGINS, ARTHUR C..Sidney Centre, Del. Co., N. Y...348 Sackett Street, Brooklyn,
N. Y.
Hamilton College, A.B., 1900.
- * HILGEN, EDWARD FRED.....Cleveland, Ohio
- * HILL, HAROLD WILLIAM.....Buffalo, N. Y.
- HINES, LINNÆUS NEAL.....Union City, Ind.....520 West 123d Street
Indiana University, A.B., 1894.
- HIX, MELVIN.....36 Delaware Street, Flushing, N. Y.
- * HOCHSCHILD, S.....565 West End Avenue
- HODGKINS, MARY ELIZABETH..102 Academy Street, Macon, Ga..1230 Amsterdam
Avenue
- * HOERMANN, MARTHA ADELE LILLIE.....1208 Bloomfield Street, Hoboken, N. J.
- * HOLBERT, HARRY HURD.....Church Street, Kingsbridge, N. Y.
- * HOLLIDAY, EDGAR P.....45 Brevoort Place, Brooklyn, N. Y.
- HOLLIS, GEORGETTA M.....1368 Pacific Street, Brooklyn, N. Y.
- HOLLISTER, HELEN.....Rochester, N. Y.....419 West 118th Street
- HOLLOWAY, CLARA NETTIE.....Salisbury, Md.....1230 Amsterdam Avenue
- HOLLOWAY, WILLIAM JAMES.....Baltimore, Md.....1230 Amsterdam Avenue
- * HOLMES, HILARY HERBERT.....Tensaw, Ala.....417 West 118th Street
State Normal College, Troy, Ala., Ph.B., 1904
- * HOOD, MARY CHALMERS.....Florence, Ala.....1230 Amsterdam Avenue
- HOOVEN, MINNIE MAE.....169 West 81st Street
- * HOPKINS, EMMA BARKSDALE.....Savannah, Ga.....1230 Amsterdam Avenue
- HOPKINS, FLORENCE MAY..924 Cass Avenue, Detroit, Mich..1230 Amsterdam Avenue
- HOPKINS, WILLIAM CYPRIAN.....Englewood, N. J.....207 West 107th Street
University of Vermont, A.B., 1894.
- HORAN, MARY M.....Tuckahoe, Westchester Co., N. Y.
- * HOUGH, WILBUR SHEPHERD.....Richmond, Va.....431 West 117th Street
Randolph-Macon College, A.B., 1903.
- HOUSE, HOMER GARFIELD.....Madison, N. J.
- HOWARD, IDA MILLER.....Pulaski, Va.....1230 Amsterdam Avenue
- * HOWELL, JOSEPH MAUGHAN.....Logan, Utah.....525 West 123d Street
- * HOYNS, GEORGE WAYLAND.....Fort Washington Avenue and Depot Lane
- HUDNALL, EDNA MAY.....South Jacksonville, Fla.....1230 Amsterdam Avenue
- HUGHES, FLORENCE LEILA.....231 Ninth Street, Brooklyn, N. Y.
- HUGHES, FRANK BEN.....Denison, Texas.....540 West 123d Street
Vanderbilt University, B.S., 1897.
- HULL, MARY LOUISE.....Albany, N. Y.....1230 Amsterdam Avenue
- HUMPHREYS, A. C.....Salisbury, Md.....1230 Amsterdam Avenue
- * HUMPHREYS, EDWIN WILLIAM.....2155 Bathgate Avenue
College of the City of New York, A.B., 1903.
- HUNDSON, ELSIE GRACE.....170 West 123d Street
- HUNT, MARY BATES.....Brockton, Mass.....1230 Amsterdam Avenue
- * HURLEY, MARCUS LATIMER.....234 West 114th Street
- * HUTTON, MANCIUS SMEDES.....319 West 107th Street
- INGRAM, LUCY...Somerville, Mass.....37 Central Avenue, Tompkinsville, S. I.
- JACKSON, ADDIE PARKER.....512 Arlington Avenue, Plainfield, N. J.

- * JACKSON, ELMER POLIC.....Cleone, Ore.....384 West 145th Street
Oregon Agricultural College, B.S., 1904.
- JACKSON, FRANCES JEAN....Kansas City, Mo....443 Gates Avenue, Brooklyn, N. Y.
- JACKSON, M. ELLEN...165 West Susquehanna Avenue, Philadelphia, Pa...419 West
118th Street
- * JACOBS, EMMA SUTER.....Washington, D. C.....1230 Amsterdam Avenue
- JAMES, EDITH.....Montclair, N. J.
- JAMIESON, CHARLOTTE MURDOCK.....Baltimore, Md.....1230 Amsterdam Avenue
- JARVIS, MABEL ADELIA.....Blue Point, N. Y.....137 West 101st Street
- * JEAL, EDWARD RAYNOR.....Lawrence, N. Y.
- JEFFERSON, SAMUEL MITCHELL.....Lexington, Ky.....519 West 123d Street
Indiana University, A.B., 1874.
Bethany College, A.M., 1890; LL.D., 1896.
- JENKINS, EMILY HUNTINGTON.....Boonton, N. J.....1230 Amsterdam Avenue
- JENKINS, LILIAN IOLA.....White City, Kan.....59 West 104th Street
Kansas Wesleyan University, A.B., 1896.
- JENSON, JOSEPH YOUNG.....Ephraim, Utah.....414 West 118th Street
- * JESSUP, WALTER ALBERT.....Westfield, Ind.....520 West 123d Street
Earlham College, A.B., 1903.
- JEWELL, EMILY M.....12 West 101st Street
- JOHANSEN, A. VINCENT.....5520 Fifteenth Avenue, Brooklyn, N. Y.
- JOHNSON, ALICE SWAN.....Worcester, Mass.....1230 Amsterdam Avenue
- JOHNSON, AMY E.....Brooklyn, N. Y.....1230 Amsterdam Avenue
- JOHNSON, JOB EDGAR.....Summit, R. I.....521 West 123d Street
Yale University, A.B., 1808.
Harvard University, A.M., 1899.
- JOHNSON, WALTER SIMMONS.....55 Liberty Street
- JOHNSTON, CHARLES FRANKLIN.....Schenectady, N. Y.....418 West 118th Street
- JOHNSTON, MILDRED L.....1139 Dean Street, Brooklyn, N. Y.
- * JONES, EDWARD CROSBY.....948 Lexington Avenue
- * JONES, HARRIET LOUISE...Glencoe, Baltimore Co., Md.....411 West 115th Street
- JONES, KATHERINE S.....Barton Heights, Va.....1230 Amsterdam Avenue
- JONES, LEON L.....Muskegon, Mich.....1230 Amsterdam Avenue
- * JONES, MARY E.....1230 Amsterdam Avenue
- JONES, WILLIAM FRANCIS.....152 West 84th Street
- JONES, WILLIANA.....458 West 57th Street
Normal College, New York City, A.B., 1903.
- * JOSEPH, ISYA.....41 East 69th Street
- * JOSEPH, JOHN ARTHUR.....133 West 80th Street
- * JUNKIN, TINSLEY PENICK.....College Station, Texas.....537 West 123d Street
Austin College, A.B., 1893.
University of Virginia, A.B. and A.M., 1901.
- KALISCHER, HELEN.....1230 Amsterdam Avenue
- * KAPLAN, HARRY.....109 Ludlow Street
- * KATZ, HOWARD M.....Kissimee, Fla.....457 West 123d Street
- * KEAT, MAUD ZEAMER.....Carlisle, Pa.....1230 Amsterdam Avenue
Dickinson College, A.B., 1894; A.M., 1896.
- KEIGHTLEY, ANNIE KEIGHTLEY...513 Broadway, Pueblo, Col..1230 Amsterdam Avenue
- KELLY, MARTHA.....1161 Amsterdam Avenue
- KEMP, BERTHA ELLA.....Dayton, Ohio.....1230 Amsterdam Avenue
- * KEMP, WILLIAM CULLEN BRYANT.....266 West 107th Street
Columbia University, A.B., 1900; A.M., 1901; LL.B., 1896; LL.M., 1901.
- KEMPF, EMILIE M.....112 Bleecker Street, Newark, N. J.
- * KENNEDY, MARY STEWART.....124 West 126th Street
Adelphi College, A.B., 1901.
New York University, Pd.D., 1902.
Columbia University, A.M., 1902.

- KENNEDY, WILLIAM EDWARD.....177 Putnam Avenue, Brooklyn, N. Y.
 KENNISH, LAURA MARGARET.....288 West 70th Street
 * KICK, THEOPHILE F.....142 West 92d Street
 KILLEN, FRANCES H.....Dunkirk, N. Y.....1230 Amsterdam Avenue
 * KINKAID, EULA MAE.....Jamestown, N. Y.....1230 Amsterdam Avenue
 * KIRBY, CUTHBERT M.....Jamaica, N. Y.....541 West 124th Street
 KIRKWOOD, ETHEL.....West Hoboken, N. J.
 * KLABER, WILLIAM.....389 Manhattan Avenue
 Columbia University, A.B., 1905.
 KLEISER, CLARA.....417 West 118th Street
 KNAPP, FLORENCE A.....Brooklyn, N. Y.....1230 Amsterdam Avenue
 * KNAPP, LOUISE.....St. Louis, Mo.....415 West 118th Street
 Smith College, A.B., 1902.
 * KNIGHT, HERBERT HARRIS.....Fanwood, N. J.....541 West 124th Street
 KNOBBE, KATHARINE C.....511 Bedford Avenue, Brooklyn, N. Y.
 KNORING, BERNARD ALEXANDER.....1644 Madison Avenue
 College of the City of New York, A.B., 1903.
 * KOZMINSKY, LESLIE MONTEFIORE.....557 West 124th Street
 KRAMLICH, GEORGE EDGAR.....Kutztown, Pa.....501 West 123d Street
 Muhlenberg College, A.B., 1897; A.M., 1900.
 * KRAUSE, CARL ALBERT.....449 West 123d Street
 Eureka College, A.B., 1895.
 University of Marburg, A.M., 1897.
 * KREINER, LILLIAN MAY.....62 Oriental Street, Newark, N. J.
 KUEBLER, GRACE R.....Shamokin, Pa.....1230 Amsterdam Avenue
 * KURZ, WILLIAM FREDERICK.....274 West 140th Street
 College of the City of New York, B.S., 1894.
 * KYTE, JOHN HERBERT.....Fanwood, N. J.....541 West 124th Street
 * LADD, DORA.....2724 Curtis St., Denver, Col.....537 West 123d Street
 * LAGE, FREDERICO.....Rio de Janeiro, Brazil.....354 West 120th Street
 * LAMONT, JOSEPH RIGGS.....1 Third Place, Brooklyn, N. Y.
 * LAMSON, CAROLINE.....144 South 6th Street, Salt Lake City, Utah.....1230 Amsterdam
 Avenue
 * LANCE, HAROLD B.....167 Dana Street, Wilkesbarre, Pa.....312 East 150th Street
 Columbia College, A.B., 1904.
 LANG, ANDREW.....Kingston, N. Y.....189 North Miller Street, Newburgh, N. Y.
 LANGTHORNE, JENNIE MENGEL.....59 Livingston Street, Brooklyn, N. Y.
 * LATHAM, MARCIA LOUISE.....Plymouth, N. C.....1230 Amsterdam Avenue
 University of North Carolina, B.S., 1900.
 LAUBACH, MERIT LEES.....Terre Haute, Ind.....525 West 123d Street
 * LAUGHLIN, HUGH CLARENCE.....530 West 123d Street
 Ohio State University, A.B., 1890.
 University of Nebraska, A.M., 1895.
 LAW, DAISY M.....28 Marshall Street, Newark, N. J.....1230 Amsterdam Avenue
 * LAWRIE, HAROLD NEWBOLD.....Atlantic Highlands, N. J.....61 Leonard Street
 * LEA, MARGARET E.....Rome, Ga.....1230 Amsterdam Avenue
 Shorter College, A.B.
 LEE, JOSEPH BOLLING.....98 Thomas Street, Bloomfield, N. J.
 College of the City of New York, A.B., 1904.
 LEFEBER, MYRTLE.....Indianapolis, Ind.....1230 Amsterdam Avenue
 LEONARD, NORMAN ELLWOOD.....Easton, Md.
 * LEROY, WALTER I.....Highland, Ulster Co., N. Y.
 LEVIN, MIGNON.....Baltimore, Md.....5 East 106th Street
 * LEVY, BERTRAM.....202 East 68th Street
 LEVY, LILLY FERLINE.....Williamsport, Pa.....394 First Street, Brooklyn, N. Y.
 LEWIS, CHARLOTTE.....Pueblo, Col.

- * LEWIS, CHRISTINE LUCY.....Ashland, Mass.....503 West 124th Street
Radcliffe College, A.B., 1902.
- * LEWIS, HALLIE C.....Marianna, Fla.....1230 Amsterdam Avenue
- * LIBBY, ARTHUR STEPHEN.....Corinna, Me.....1230 Amsterdam Avenue
University of Maine, A.B., 1902.
National Institute of Washington, A.M., 1900.
Brown University, A.M., 1903.
- LIGGETT, M. ISABEL.....Carlisle, Pa.....1230 Amsterdam Avenue
- LINCOLN (Mrs.), JEANNETTE CARPENTER.....Urbana, Ill.....417 West 118th Street
- * LINDSLEY, F. WILSON.....29 Clinton Avenue, Jersey City, N. J.
Columbia University, A.B., 1900.
- * LINES, FOREST DAISY.....Poplarville, Miss.....1230 Amsterdam Avenue
Wesleyan College, A.B., 1881.
- LING, EDWARD S.....Emporium, Pa.
Valparaiso College, B.S., 1893.
- * LIPKE, JOSEPH.....234 Sixth Street
Columbia University, B.S., 1905.
- LIPPE, ADOLPH.....3 West 128th Street
College of the City of New York, B.S., 1896.
- LITTLE, IDA CHRISTINE.....La Grange, Ga.....541 West 124th Street
- LIVINGSTON, MARY FRANCES.....Needham, Mass..316 Carlton Avenue, Brooklyn, N. Y.
- LIX-KLETT, ERNESTO.....Buenos Ayres, Argentina, S. A....1230 Amsterdam Avenue
- LOCK, MARY.....Plainfield, N. J.....537 West 123d Street
Columbia University, A.B., 1905.
- LOCKHART, CARRIE.....Glen Ridge, N. J.
- * LOCKWOOD, CORNELIUS WYGANT.....12 Liberty Street, Newburgh, N. Y.
Harvard University, B.S., 1899.
- LOEPER, HELEN.....Indianapolis, Ind.....416 West 118th Street
- LOEWY, ABRAHAM ALEXANDER.....226 West 113th Street
- LONG, MAY GENEVIEVE.....Mason City, Iowa.....1230 Amsterdam Avenue
- LOOMIE, LEO STEPHEN.....238 West 122d Street
- * LOPER, NINA M.....93 Rutland Road, Brooklyn, N. Y.
- LOVE, MARTHA J.....Oil City, Pa.....864 East 168th Street
Grove City College, A.B., 1889.
- * LUCEY, MICHAEL HENRY.....4440 Park Avenue
- * LUDDINGTON, HARRIET ADELAIDE...New Haven, Conn...194 Joralemon Street,
Brooklyn, N. Y.
- LUDLUM, MARY.....1028 Congress Street, Emporia, Kan.....321 West 124th Street
National Normal University, B.S., 1878.
- * LUDWIG, AUGUSTUS.....87 Diamond Street, Brooklyn, N. Y.
- * LUND, FRANCIS NAPIER.....4 West 130th Street
- * LYON, WILLIAM WARREN.....157 West 92d Street
- LYTLE, GERTRUDE BELLE...420 Giddings Avenue, Cleveland, O....1230 Amsterdam
Avenue
- MCANNEY, LUCRETIA JONES.....169 West 81st Street
- * MCCABE, CATHERINE C.....15 Kelly Avenue, Woodside, N. Y.
- * MCCHRYSAL, MARCUS ARTHUR.....Salt Lake City, Utah
- * MCCLAIN, HENRY GRIFFITHS.....310 West 115th Street
- * MCCLAVE, DONALD.....Greenwich, Conn.....627 West 115th Street
- MCCONATHY, ELIZABETH...Louisville, Ky.....417 West 118th Street
- MCCRACKEN, HELEN EDITH...Markle, Pa....11 Lembeck Avenue, Jersey City, N. J.
Blairsville College, A.B., 1905.
- MCCULLY, MAY SHIELDS...31 South Perry Street, Dayton, O....12 West 101st Street
- MCCULLY, OLIVE SIMPSON.....Dayton, Ohio.....12 West 101st Street
- * MCDavid, MAUD.....Troy, Ala.....417 West 118th Street

- * McDOWELL, JOHN DOBBIN...583 Willoughby Avenue, Brooklyn, N. Y...60 West 13th Street
Royal University of Ireland, A.B., 1886; A.M., 1894.
New York University, Pd.M., Ph.M., 1905.
- McDOWELL, MARY GYLA.....Beaver, Pa.....1230 Amsterdam Avenue
Grove City College, A.M., 1896.
- McFARLANE, JESSIE.....New Berlin, N. Y.....1230 Amsterdam Avenue
- McGOWAN, MARY.....Madisonville, Cincinnati, O.....1230 Amsterdam Avenue
- McKINLEY, VIRGIL PARKS.....Troy, Ala.....417 West 118th Street
- McKINNON, MARY.....De Funiak Springs, Fla.....1230 Amsterdam Avenue
- * McKINSTRY, GRACE.....Fredonia, N. Y.....4-14 West 92d Street
Columbia University, B.S., 1903.
- * McLAUGHLIN, PIERINA.....284 West 136th Street
- * McLEAN, DANIEL WORLD.....Clio, Ala.....417 West 118th Street
State Normal College, Troy, Ala., Ph.B., 1904.
- McLEAN, HENRY C.....Newburgh, N. Y.....237 West End Avenue
- McNIFF, KATHARINE.....Harrisburg, Pa.....1230 Amsterdam Avenue
Bloomsburg State Normal College, M.E., 1887; M.S., 1891.
- McQUILLAND, GEORGE THOMAS.....512 Manhattan Avenue
College of the City of New York, A.B., 1900.
New York Law School, LL.B., 1904.
- McRAE, EVA.....McRae, Ga.....1230 Amsterdam Avenue
- MacDOWELL, BENJAMIN WILBUR.....Ardley, Westchester Co., N. Y.
- MacFARLANE, ALICE.....La Grange, Ga.....541 West 124th Street
Southern Female College, A.B., 1894.
- MACQUARRIE, THOMAS WILLIAM.....Hudson, Wis.....519 West 123d Street
- * MACKAY, CORA B.....1 Fulton Street, Jamaica, L. I.
- MACKENZIE, CAMERON.....Dobbs Ferry, N. Y.
- * MACKENZIE, GEORGE MINER.....604 West 114th Street
- MAHONY, EILEEN PATRICIA.....722A Union Street, Brooklyn, N. Y.
- MAJOR, BESSIE L.....Leesville, S. C.....1230 Amsterdam Avenue
Leesville College, A.B., 1903.
- * MALLALIEU, WILLARD C.....90 St. Mark's Avenue, Brooklyn, N. Y.
- MANDELL, IRVING ARTHUR.....132 East 82d Street
- MANGUSE, WILLIAM P.....2881 Broadway
Colgate University, A.B., 1890.
- MANN, ALLIE BELLE.....Atlanta, Ga.....1230 Amsterdam Avenue
Woman's College of Baltimore, A.B., 1903.
- * MANNHARDT, ERNST GÜNTHER.....63 Second Street
New York University, A.M., 1900.
- MARKS, ROSA ADELAIDE.....Richmond, Va.....1230 Amsterdam Avenue
- MARLATT, GRACE HUSELTON.....Port Murray, N. J.....417 West 118th Street
- MARSCHING, ROBERT LIONEL.....Feldt Cottage, Sea Gate, N. Y.
- MARSH, MARTHA.....Cincinnati, O.....1230 Amsterdam Avenue
- MARTIN, ANNA MARIE.....232 Richmond Road, Stapleton, S. I., N. Y.
- MARTIN, JANE MAC.....305 West 97th Street
- * MARX, ABRAHAM BASS.....247 West 111th Street
- * MASCORD, ELIZABETH FRANCES.....69 Montague Street, Brooklyn, N. Y.
- * MASON, KATE JULIETTE.....Cleveland, O.....1230 Amsterdam Avenue
- MASTERTON, TERESA ISABEL.....231 East 86th Street
- * MAURICE, CHARLES.....138 West 81st Street
- MEAD, ABBY GRAY.....118 Park Street, East Orange, N. J.
- MEADOWCROFT, ABBIE JANE.....Haverhill, Mass.....417 West 118th Street
- * MEAGHER, FRANK LEO.....Kingston, N. Y.
- * MENDES, MARIA PERIERA.....235 West 76th Street
- * MERRIAM, BURR JAY.....Granville, Mass.....1230 Amsterdam Avenue

- MERRITT, EDITH SOMERVILLE.....321 Clifton Avenue, Newark, N. J.
Vassar College, A.B., 1900.
- * MEYER, ARNOLD WILLIAM.....Alton, Iowa.....524 West 123d Street
Iowa College, A.B., 1899.
Columbia University, A.M., 1905.
- * MEYER, HENRY HERMAN.....150 Fifth Avenue
German Wallace College, A.B., 1901; A.M., 1902.
Drew Theological Seminary, B.D., 1903.
- * MIDDLETON, FLORENCE.....366 St. Nicholas Avenue
- MIELLY, JENNIE COTHRAN.....Amite, La.....1477 Vyse Avenue
- MILER, EMILY.....663 East 196th Street
- MILLARD, ELMER SHERMAN.....326 West 83d Street
- MILLER, HOYT.....Lawrence, N. Y.
- MILLER, WILLIAM AUGUSTINE.....Matawan, N. J.....528 West 123d Street
- * MILLER, WILLIAM TRAVIS.....604 West 114th Street
- MILLIKEN, JANE.....Baltimore, Md.....1230 Amsterdam Avenue
- * MILLS, LAURA MAY.....Rye, N. Y.....1230 Amsterdam Avenue
- * MILLS, WALTER SANDS.....324 West 89th Street
New York Homeopathic Medical College, M.D., 1889.
- MILLSPAUGH, HARRY.....149 West 142d Street
- * MISCHLICH, ADOLPH.....108 East 71st Street
College of the City of New York, B.S., 1879.
- MITCHAM, EDITH GRACE.....104 West 109th Street
- MOHN, JOSEPH THEOPHILE.....438 West 53d Street
- MOHR, MARY ELLEN.....63 Morton Street
- MOLLOY, EDWARD FITZGERALD.....110 West 14th Street
St. Francis Xavier College, A.B., 1885; A.M., 1886.
- MOLWITZ, HARRY.....306 East 165th Street
- MONTÉ, FLORENCE LESTER...553 Quincy Street, Brooklyn, N. Y...1230 Amsterdam
Avenue
- * MOORE, JR., GEORGE GELSTON.....833 Madison Avenue
- MOORE, MAYBELLE.....Milledgeville, Ga.....1230 Amsterdam Avenue
- * MORA, ERNESTO JOSÉ.....2880 Broadway
- MOREHEAD, FLORENCE N.....52 Twelfth Avenue, Paterson, N. J.
- MORRILL, ETHELBERT BELKNAP.....419 West 118th Street
- MORRIS, FREDERIC KÜHNE, Jr.....2027 Seventh Avenue
College of the City of New York, B.S., 1904.
- MORROW, ELEANOR ALATHA.....Allegheny, Pa.....1230 Amsterdam Avenue
- * MORROW, HARVEY M.....Troy, Ala.....417 West 118th Street
- MORTON, WILLIAM HICKMAN.....Spartanburg, S. C.....1230 Amsterdam Avenue
Central University of Kentucky, B.S., 1883.
- * MOSES, JOSEPH.....100 East 7th Street
University of Cincinnati, A.B., 1894.
- MOSES, PAUL EMANUEL.....37 East 63d Street
- * MOULTON, GERTRUDE EVELYN...Cleveland, Ohio.....1230 Amsterdam Avenue
Oberlin College, A.B., 1903.
Rio Grande College, A.B., 1905.
- MULLEN, LORING BLANCHARD...Morris High School, East 166th Street and Boston Road
University of Wooster, Ph.D., 1898.
- MULLER, FREDERICK.....1198 Franklin Avenue
- MUMBERT, S. JANET.....Sparrows Pt., Md.....1230 Amsterdam Avenue
- * MURDOCK, ADA MARY.....242 West 58th Street
- MURPHY, ANNA.....Randall's Island, N. Y.
- * MURPHY, KATHERINE M...Auburn, N. Y...42 Brooklyn Avenue, Brooklyn, N. Y.
- MURPHY, ROBERT.....Rochester, N. Y.....1230 Amsterdam Avenue
- * MURRAY, JEAN.....Trinidad, Col.....557 West 124th Street
- NARGANES, FREDERICK.....117 West 85th Street

- NAVARRO, JOHN RALPH.....126 West 84th Street
 NEERGAARD, GOLLA DE.....167 Joralemon Street, Brooklyn, N. Y.
 NELSON, ELIZABETH.....173 York Street, Jersey City, N. J.
 NEUSTADT, ARTHUR.....141 West 136th Street
 * NEWCOMER, HARVEY.....17 Carroll Street, Yonkers, N. Y.
 Franklin and Marshall College, A.B., 1892; A.M., 1895.

 * NEWTON, CHARLES EDWARD.....232 Quincy Street, Brooklyn, N. Y.
 NEWTON, SAMUEL THOMAS.....Winnipeg, Can.....104 West 124th Street
 NIBLETT, MARGARET ASHFORTH.....Seattle, Wash.....1161 Amsterdam Avenue
 NICHOLSON, JACOB CORNELIUS..1338 North Carey Street, Baltimore, Md..250 West
 124th Street
 * NICHOLSON, JANE HERBERT.....369 Clinton Street, Brooklyn, N. Y.
 * NIEDER, PHILIP GEORGE.....Fanwood, N. J.
 NOBLE, ELIZABETH BELLE.....Upton, Franklin Co., Pa.....1230 Amsterdam Avenue
 Irving College, B.S., 1900.

 NOEL, BLANCHE P.....Indianapolis, Ind.....66 West 46th Street
 Butler College, A.B., 1900.
 Indiana University, A.M., 1902.

 * NOLTHENIUS, PAUL TUTEIN.....Amsterdam, Holland.....430 West 118th Street
 NORDEN, N. LINDSAY.....101 West 118th Street
 * NORRIS, GEORGE.....906 St. Mark's Avenue, Brooklyn, N. Y.
 * NORSWORTHY, LEONARD D.....557 West 124th Street
 NORTON, EMILIE ROSE.....Troy, N. Y.....1230 Amsterdam Avenue
 * NORTON, GEORGE WINGATE.....471 First Avenue, Astoria, N. Y.
 Wesleyan University, B.S., 1896.

 NOSWORTHY, EMILY.....180 West 82d Street
 OAKLEY, DORIS GRAHAM.....Newburgh, N. Y.....2193 Broadway
 OBERHAUSER, JOSEPHINE.....222 Summit Avenue, Jersey City, N. J.
 * O'BRIEN, CATHERINE LORETTO.....247 Marcy Avenue, Brooklyn, N. Y.
 New York University, Pd.M., 1894.

 O'BRYON, MARY KATE.....Uniontown, Pa.....1230 Amsterdam Avenue
 O'CONNELL, ANNA.....Harrisburg, Pa.....1230 Amsterdam Avenue
 ODENCRANTZ, FREDERICK CHRISTIAN.....260 West 122d Street
 * ODENCRANTZ, TULLA CAROLINE..1006 San Jacinto Street, Houston, Tex..260 West
 122d Street
 Columbia University, B.S., 1904.

 O'DONNELL, MARY J. GERTRUDE.....211 East 36th Street
 OHLSEN, MAUDE GERTRUDE.....457 West 123d Street
 OLCOTT, ANNA MILES.....Wilkesbarre, Pa.....1230 Amsterdam Avenue
 * OLLER, MARIE.....212 West 109th Street
 Smith College, B.L., 1903.

 O'MEARA, NELLIE C.....134 West 44th Street
 O'MEARA, WILLIAM HENRY.....Naugatuck, Conn.
 * O'NEIL, LEO DREW.....Boston, Mass.....526 West 123d Street
 Boston College, A.B., 1902.

 * OPDYCKE, JOHN B.....Forest Grove, Pa.....155 West 65th Street
 Franklin and Marshall College, A.B., 1898, A.M., 1902.
 New York University, A.M., 1903.

 * O'REGAN, JAMES JOSEPH.....167 East 83d Street
 St. Francis Xavier College, A.B., 1895.

 * ORNSTIEN, ABRAHAM.....Johannesburg, South Africa.....520 West 123d Street
 ORTHMANN, ELIZABETH.....430 West 124th Street
 OSTRANDER, ELLA PECKHAM.....164 Macon Street, Brooklyn, N. Y.
 * OTTEN, LEONARD FLAGGE.....250 West 88th Street
 Columbia University, A.B., 1905.

 * OWEN, WILLIAM ROLAND, Jr.....Denver, Col....146th Street and Gerard Avenue

- * OWENS, ANNA MARY.....Tyrone, Pa.....404 West 124th Street
PAGE, VIRGINIA BARTON.....1206 Linden Avenue, Baltimore, Md.....1230 Amsterdam Avenue
PAINTER, WILLIAM ELMER.....Newark, Ohio.....1230 Amsterdam Avenue
PALLISER, HELEN LETITIA.....1397 Ocean Avenue, Brooklyn, N. Y.
Columbia University, A.B., 1905.
PARKER, HARRIET C.....Plymouth, N. Y.....205 West 106th Street
PATRIE, ROBERT GARDNER.....100 Hardenbrook Avenue, Jamaica, N. Y.
PATTERSON, AMELIA FRANCES.....105 Ross Street, Brooklyn, N. Y.
PATTERSON, A. LOUISE.....105 Ross Street, Brooklyn, N. Y.
* PATTERSON, DAVID LESLIE, Jr.....Pittsburgh, Pa.....531 West 124th Street
Pennsylvania State College, B.S., 1895.
PATTERSON, HELEN.....Beaver, Beaver Co., Pa.....1230 Amsterdam Avenue
PAYNE, GEORGE WOODFORD.....Clinton, N. Y.....458 West 151st Street
Hamilton College, A.B., 1902; A.M., 1905.
* PEAL, AMELIA ELIZABETH.....583 Clinton Avenue, Newark, N. J.
* PEARSE, CHARLES ALLEN.....139 West 121st Street
PECK, SUSAN AMELIA.....72-74 West 124th Street
* PELT, CLARA GROW.....521 West 123d Street
* PERRINE, HAROLD.....820 West End Avenue
PERRY, CLARENCE ARTHUR.....1054 Main Street, Peekskill, N. Y.
Cornell University, B.S., 1899.
PERRY, MARY HARRIS.....Washington, D. C.....4 West 134th Street
* PERRY, ROBERT M.....Denver, Col.....146th Street and Gerard Avenue
PESELS, CONSTANCE.....San Antonio, Texas.....1230 Amsterdam Avenue
University of Texas, B.Lit., 1886; A.M., 1882.
Johns Hopkins University, Ph.D., 1894.
PHILLIPS, LILLIAN AZUBAH.....Fitchburg, Mass.....1230 Amsterdam Avenue
* PHILP, MARY ISABEL.....18 Morningside Avenue
Syracuse University, Ph.B., 1901.
* PIERSON, HARRY.....Ridgefield Park, N. J.....457 West 123d Street
Lebanon University, A.B., 1900.
PINCOMB, HELENA M.....Lenexa, Kan.....417 West 114th Street
Kansas Agricultural College, B.S., 1901.
* PINCUS, JOSEPH WILLIAM.....Woodbine, N. J.....3 De Kalb Avenue, Brooklyn, N. Y.
Connecticut Agricultural College, B.Agr., 1898.
* PIRETTI, FLORENCE AIDA.....525 Third Street, Brooklyn, N. Y.
* POINDEXTER, URBAN HATFIELD.....Topeka, Kan.....1230 Amsterdam Avenue
Princeton University, A.B., 1905.
* POLLOCK, ROSALIE.....Salt Lake City.....411 West 115th Street
POND, RITA COLLES.....72 Willow Avenue, Plainfield, N. J.
PORTER, MINNIE E.....New Philadelphia, Ohio.....1230 Amsterdam Avenue
Ohio State University, Ph.B., 1903.
* POST, ELIZABETH SMITH.....Woodside, N. Y.
* POST, HENRY B.....140 West 77th Street
POUNDING, ELOISE.....East Hampton, N. Y.....1230 Amsterdam Avenue
POWELL, LILLIE.....Berlin, Md.....1230 Amsterdam Avenue
PRICE (Mrs.), SUSAN JONES.....Florence, Ala.....417 West 118th Street
PRIVETT, ELIZABETH ANN.....Jacksonville, Ala.
PRONTZ, IRIS GERTRUDE.....Lancaster, Mass.....1230 Amsterdam Avenue
PURYEAR, CHARLES.....College Station, Texas.....417 West 118th Street
University of Virginia, B.S., C.E., 1885.
Richmond College, A.M., 1881.
QUEEN, OCTAVIA C.....Louisville, Ky.....1230 Amsterdam Avenue
* QUEZADA, CECILIO T.....365 Manhattan Avenue
QUINN, HENRY ARTHUR.....426 Ninth Street, Brooklyn, N. Y.

- * RABENORT, WILLIAM LOUIS.....315 West 97th Street
 RABORG, PAUL CHRISTOPHER.....1230 Amsterdam Avenue
 * RAE, ANNE MUTCH.....453 West 123d Street
 Normal College, New York City, A.B., 1903
 RAMEY, ANNIE.....109 West 88th Street
 * RAPPEPORT, BENJAMIN.....235 East 80th Street
 College of the City of New York, A.B., 1904.
 RASCHEN, JOHN FREDERICK LOUIS..Easton, Pa..2415 Newkirk Avenue, Brooklyn,
 N. Y.
 German Wallace College, A.B., 1895.
 Nast Theological Seminary, B.D., 1898.
 RAYNER, IDA LOUISE.....5 West 135th Street
 REARDON, MARK S., 3d.....209 Keap Street, Brooklyn, N. Y.....115 Broadway
 New York Law School, LL.B., 1900; LL.M., 1902.
 Adelphi College, A.B., 1905.
 * REBER, JOHN.....2126 Mapes Avenue
 Seton Hall College, A.B., 1903.
 REBSTOCK, NELLIE KING.....Buffalo, N. Y.....1230 Amsterdam Avenue
 REDMAN, ELSIE FLORENCE.....1131 Park Avenue
 Normal College of New York, A.B., 1905.
 REED, CLAYTON EVARTS.....Marietta, O.....544 West 113th Street
 University of Wooster, A.B., 1896.
 REED, HELEN JEAN.....Spartanburg, S. C.....803 Lexington Avenue
 Converse College, Spartanburg, S. C., A.B., 1898.
 REED, JOANNA ASHTON.....419 West 118th Street
 * REED, LATHAM R.....147 East 61st Street
 REED, MABEL GERTRUDE.....Dunkirk, N. Y.....1230 Amsterdam Avenue
 REICHLÉ, MARY CRESCENTIG.....431 Clinton Avenue, Newark, N. J.
 REID, JANEY.....Crawfordville, Ga.....541 West 124th Street
 * REJALL, ALFRED ERNST.....54 Tompkins Place, Brooklyn, N. Y.
 REMSEN, ALLEN HALSEY.....Dobbs Ferry, N. Y.....306 West 82d Street
 * REY, OTTO HENRY.....318 Marcy Avenue, Brooklyn, N. Y.
 German Wallace College, A.B., 1901.
 RIBLET, EDWARD BRIGGS.....343 East 68th Street
 * RIBLET, MARY VARIAN.....343 East 68th Street
 Columbia University, B.S., 1903; A.M., 1905.
 RILEY, MARIETTA.....869 St. John's Place, Brooklyn, N. Y.
 RINDELL, MABEL WOOLMAN...South Jacksonville, Fla.....1230 Amsterdam Avenue
 * RITTER (Mrs.), ALICE E. B.....466 East 25th Street, Brooklyn, N. Y.
 Adelphi College, A.B., 1904.
 ROANTREE, WILLIAM FOX.....Broadway and 125th Street
 Colgate University, A.B., 1904.
 ROBBINS, ROBERT L.....263 Quincy Street, Brooklyn, N. Y.
 ROBIE, JOSEPH.....Oradell, N. J.
 ROBIE, MARSHALL.....Oradell, N. J.
 ROBINSON, ALICE M.....509 West 146th Street
 Mt. Holyoke College, A.B., 1895; A.M., 1901.
 * ROBINSON, FRANKLIN WHITTMAN.....620 East 135th Street
 College of the City of New York, B.S., 1895.
 ROCKFELLOW, PEARL.....Omaha, Neb.....1230 Amsterdam Avenue
 * ROEDER, EMILIE KRAMPFERT.....Cleveland, Ohio.....1230 Amsterdam Avenue
 Oberlin College, Ph.B., 1899.
 ROELKEY, DAVID E.....Frederick, Md.....131 West 53d Street
 St. John's College, A.B., 1905.

- * ROHRBACH, JACOB H. Philadelphia, Pa. 419 West 118th Street
Lafayette College, A.B., 1887; A.M., 1890.
University of Pennsylvania, A.M., 1904.
- ROSCHEN, ANNA BETA. 1215 Myrtle Avenue, Baltimore, Md.
- * ROSENBLATT, BERNARD ABRAHAM. 1723 Madison Avenue
- ROSENTHAL, JOEL. 330 East 70th Street
- ROSS, SAREPTA ELLEN. Alliance, Ohio. 1230 Amsterdam Avenue
- * ROTHSCHILD, MONTEFIORE. 993 East 163d Street
- ROUTH, ELSIE MATHILDA. 919 West 56th Street, Chicago, Ill. 167 West 18th Street
- * ROVERE, LOUIS. 1230 Amsterdam Avenue
- ROY, MALCOLM MILLER. 17 South A Street, Irvington-on-Hudson, N. Y.
- ROZAR (Mrs.), LAURA JOSEPHINE. Douglasville, Ga. 1230 Amsterdam Avenue
Wesleyan College, A.B., 1881.
- * RÜHL, ANNA. Terre Haute, Ind. 439 West 123d Street
- RUNYON, ALBETTA ROSS. Millington, N. J. 1230 Amsterdam Avenue
- RUSER, MILDRED BERTHA. Davenport, Iowa. Connolly Mansion, 181st Street and
Lafayette Boulevard
- RYAN, AMANDA LANG. 1230 Amsterdam Avenue
- RYAN, M. ELLA. Harrisburg, Pa. 1230 Amsterdam Avenue
- RYDENE, ALMA PAULINE. 457 West 135th Street
- SACKMAN, GILBERT ROY. 36 West 131st Street
College of the City of New York, B.S., 1905.
- * SAGE, WARREN MORRILL. 627 West 115th Street
- SALISBURY, EDNA M. 29 East 29th Street
- SANBORN, SARAH LOUISA. Chenoa, Ill. 1230 Amsterdam Avenue
Oberlin College, A.B., 1903.
- * SANDERS, WILLIAM JACOB. Sunbury, Pa. 230 West 123d Street
Lebanon Valley College, A.B., 1902.
- * SANDLER, WILLIAM. 84 Rivington Street
- SANGSTER, CORA S. Buffalo, N. Y. 35 Croton Avenue, Ossining, N. Y.
- SAWYER, WALLACE LOWE. Bradford, Essex Co., Mass. 1230 Amsterdam Avenue
- SAXTON, ELIZABETH WILLARD. Washington, D. C. 1230 Amsterdam Avenue
- * SCARBOROUGH, MARY HUDSON. Snow Hill, Md. 1230 Amsterdam Avenue
- * SCHAEFER, LUDWIG. Paterson, N. J. 361 West 117th Street
- SCHARTLE, DOROTHY. Asheville, N. C. 1230 Amsterdam Avenue
- SCHICK, WILLIAM JACOB. Cincinnati, Ohio. 526 West 123d Street
- SCHIFFERMAN (Mrs.), EUGENIE. 1230 Amsterdam Avenue
- * SCHLOSBERG, SAMUEL. 313 East 74th Street
College of the City of New York, A.B., 1900.
- SCHMIDT, JULIUS WALTER. 537 East 155th Street
- SCHNEIDER, ELIZABETH T. 60 Hudson Street, Hoboken, N. J.
- * SCHNEIDER, GUSTAV BILLING. 112 Riverside Drive
- SCHODTS, LILY MARGARET. 133 East 73d Street
Normal College, New York City, A.B., 1903.
New York University, A.M., 1905.
- * SCHOEFER, LOUIS JOHN. 991 East 163d Street
- SCHOTT, MARTHA. 100 West 115th Street
Normal College, New York City, A.B., 1904.
- * SCHREIBER, WILLIAM. 140 Lewis Street
- * SCHULDENFREI, LEWIS. Atlantic City, N. J. 185 Lenox Avenue
Columbia University, LL.B., 1905.
- SCHULER, MALCOLM WILLIAM. Wilkesbarre, Pa. 525 West 123d Street
- SCHULTZ, GERTRUDE. 49 East 90th Street
- * SCHWABE, IDA. 73 East 85th Street
Columbia University, B.S., 1905.
- SCHWARTJE, CHRISTINE. 440 First Street, Brooklyn, N. Y.

- SCHWARTZ, JUSTIN ORMSTON.....93d Street and Madison Avenue
 SCOTT, F. N.....50 Hart Street, New Britain, Conn.....1230 Amsterdam Avenue
 SCOTT, JONATHAN FRENCH.....24 Livingston Avenue, New Brunswick, N. J.
 SCOTT, MABEL DE LANCY.....312 West 53d Street
 Normal College, New York City, A.B., 1903.
 SCOTT, ROBERT HARRY.....128 Reid Avenue, Brooklyn, N. Y.
 * SCOVILLE, WILLIAM HERBERT.....Hampton, Va.....457 West 123d Street
 Yale University, A.B., 1895.
 * SEAMAN, EMILY CROMWELL.....135 St. James Place, Brooklyn, N. Y.
 Adelphi College, B.S., 1899.
 SEIDENBERG, ARMIN.....24 East 99th Street
 * SEIL, HARVEY AMBROSE.....Perth Amboy, N. J.
 Columbia University, A.B., 1903.
 SELBY, MIRIAM F.....320 Brown Street, Weehawken, N. J.
 * SELIG, SAMSON.....Atlanta, Ga.....54 Morningside Avenue
 SEVERANCE, WALTER EDWIN.....Lynn, Mass.....Hotel Severance, Broadway and 94th Street
 Harvard University, A.B., 1895; A.M., 1902.
 * SEWALL, FRANK H.....37 West 22d Street
 Columbia University, A.B., 1902.
 * SHAINWALD, RALPH LOUIS, Jr.....667 Madison Avenue
 Columbia University, A.B., 1904.
 SHAPIRO, BENJAMIN.....84 Chrystie Street
 College of the City of New York, A.B., 1903.
 * SHAW, FLORA MADELINE.....Perth, Canada.....37 East 71st Street
 SHAW, HELEN VIOLA.....Auburn, N. Y.....1230 Amsterdam Avenue
 * SHAW (Mrs.), JULIA WILLIAMSON.....Washington, D. C.....1230 Amsterdam Avenue
 SHEARMAN, WILLIAM HUGH.....771 Madison Avenue
 * SHEPARD, BERTHA SOPHIA.....Plantsville, Conn.....1230 Amsterdam Avenue
 SHEPHERD, ROBERT LINCOLN.....Marshall, Saline Co., Mo.....5 West 125th Street
 Missouri Valley College, A.B., 1897.
 SHERWOOD, CORA FRANCES DE MOTT BURKE.....183 Oakland Street, Brooklyn, N. Y.
 SHIELDS, ALBERT.....310 East 20th Street
 College of the City of New York, A.B., 1886.
 New York University, Pd.M., 1899; A.M., 1900.
 SHILLINGER, MICHAEL WILLIAM.....Easton, Md.....1230 Amsterdam Avenue
 SHINN NATALIE IDA.....Pelham Manor, N. Y.
 SHUTTS, FORREST TYLER.....Rye, N. Y.
 * SILBERSTEIN, NATHAN.....107 East 109th Street
 * SILLMAN, FLORENCE ELECTA.....Arlington, N. J.....246 Lenox Avenue
 SIMMONS, MARGARET MOE.....194 Joralemon Street, Brooklyn, N. Y.
 * SIMPSON, ANNIE BACHARD.....741 East 175th Street
 SIMPSON, STEPHEN GEORGE.....219 South 10th Street, Easton, Pa.....415 West 118th Street
 Lafayette College, A.B., 1896; A.M., 1899.
 * SINGER, WILLIAM BERNARD.....216 East 45th Street
 * SINSABAUGH, MARY MOULD.....Montgomery, N. Y.
 * SISK, BENJAMIN FRANKLIN.....Austin, Tex.....1268 Amsterdam Avenue
 Valparaiso College, B.S., 1890; M.S., 1894.
 University of Texas, B.S., 1905.
 SKILLMAN, VERNE.....195 North 18th Street, East Orange, N. J.
 SKINNER, JENNIE LOIS.....Plainfield, N. J.....1230 Amsterdam Avenue
 SLATER, HENRY BURSON.....Paterson, N. J.
 SLATER, SURREY.....803 Washington Street, Hoboken, N. J.
 SLEVIN, HUGH, Jr.....244 West 44th Street
 SLOAN, HAROLD STEVENSON.....240 Garfield Place, Brooklyn, N. Y.....416 West 118th Street
 SMALL, ELIZABETH BIRD.....Buffalo, N. Y.....Williamsbridge, N. Y.
 * SMALL, NELLIE GROSVENOR.....Buffalo, N. Y.....1230 Amsterdam Avenue

- SMITH, BEVERLEY ALLAN.....35 Kingsbridge Avenue
 SMITH (Mrs.), C. M.....Pocantico Hills, N. Y.
 SMITH, FRANK DRAKE.....559 McDonough Street, Brooklyn, N. Y.
 * SMITH, HENRY LESTER.....Bloomington, Ind.....414 West 118th Street
 Indiana State University, A.B., 1898; A.M., 1899.
- * SMITH, MARY KATHARINE.....723 West 1st Street, Elmira, N. Y. 419 West 118th Street
 Elmira College, A.B., 1895.
- * SMITH, WILLIAM PALMER.....54 West 104th Street
 SNELL, SUE MILDRED.....Columbus, Miss.....529 West 111th Street
 Industrial College of Mississippi, A.B., 1900.
- * SNOW, ELLA MARION.....Brockton, Mass.....1230 Amsterdam Avenue
 * SNOWDEN, YATES.....Charleston, S. C.....103 West 48th Street
 * SNYDER, BENTON LOUIS.....143 West 140th Street
 SNYDER, GARDNER J.....Hohokus, Bergen Co., N. J.
 New York University, Pd.M., 1903.
- SNYDER, SALLIE JENKINS.....Louisville, Ky.....417 West 118th Street
 SOLOMON, PHILIP.....1213 Park Avenue, Hoboken, N. J.
 SPERLING, HARRY.....316 East 84th Street
 * SPINGARN, SIEGMUND.....118 East 58th Street
 * SPINK, ALICE B.....Indianapolis, Ind.....Riverside, Conn.
 Indiana University, A.B., 1903.
- STAEELIN, LEONIE EUGENIE.....1307 Fulton Avenue
 STAHL, GEORGE FREDERICK.....2804 Pond Place, Bedford Park, N. Y.
 STAMM, CAROLINE LOUISE.....25 North Seventh Avenue, Mount Vernon, N. Y.
 * STARBUCK, WILLIAM LENT.....614 West 113th Street
 * STARKE, VIRGINIA LEE.....Norfolk, Va.....418 West 118th Street
 * STEARN, MABEL FRIEDA.....410 West 115th Street
 STEELE, CORA M.....Mooresville, N. C.....1230 Amsterdam Avenue
 STEINBRENNER, LOUISE.....Lowville, N. Y.....1230 Amsterdam Avenue
 STENSTRÖM, ELIN.....Englewood, N. J.
 * STEPHENS, RODERICK.....146th Street and Gerard Avenue
 * STIRLING (Mrs.), SARAH HALL.....Philadelphia, Pa.....419 West 118th Street
 Swarthmore College, A.B., 1884.
- * STOCKTON, GUY CADWALLADER.....Greeley, Colo.....320 St. Nicholas Avenue
 * STOCKTON, JAMES LEROY.....Greeley, Colo.....320 St. Nicholas Avenue
 Colorado State Normal School, Pd.B., 1893; Pd.M., 1902.
- STONE, MABEL.....147 West 111th Street
 STONE, VIRGINIA.....Pulaski, Va.....1230 Amsterdam Avenue
 STOWELL, RUTH KATE.....41 West 90th Street
 STRICKLAND, ANNA FRANKLIN.....207 West 107th Street
 Normal College, New York City, A.B., 1901.
- STRUTHERS, HESTER C.....Wilmington, N. C.....420 West 124th Street
 STUTSMAN, FRANK VAN HAAG.....248 Pearl Street, Brooklyn, N. Y.
 Wesleyan University, A.B., 1903.
- SUGARMAN, MORRIS HENRY.....1513 Madison Avenue
 SULLIVAN, MARGARET NOONAN.....96 Laidlaw Avenue, Jersey City, N. J.
 SUTRO (Mrs.), FLORENCE CLINTON.....102d Street and Riverside Drive
 SWEETMAN, BEATRICE.....59 West 115th Street
 SWEEZY, VESTA LELAND.....61 Convent Avenue, N. Y. City..1230 Amsterdam Avenue
 Normal College, New York City, A.B., 1898.
- SWICK, ELIZABETH.....1442 North Eden Street, Baltimore, Md..1230 Amsterdam Avenue
 SWINNEY, NEWTON.....McRae, Ga.....1230 Amsterdam Avenue
 * TAFT, THOMAS K.....Cornwall-on-Hudson, N. Y.....361 West 117th Street
 * TANZER, HELEN H.....294 West 92d Street
 Columbia University, A.B., 1903.

- TAPLIN, LUCY SOPHRONIA.....709 Manhattan Avenue, Brooklyn, N. Y.
TARR, EMMA HOUGH.....Baltimore, Md.....1230 Amsterdam Avenue
* TASHE, JUNE.....444 East 120th Street
TAYLOR, ALBERT STEELE.....1919 Bryant Street
College of the City of New York, B.S., 1896.
- TAYLOR (Mrs.), ELLA M.....195 Woodworth Avenue, Yonkers, N. Y.
* TAYLOR, JEANNETTE STUART...408 Sumner Avenue, Brooklyn, N. Y..1230 Amsterdam Avenue
Vassar College, A.B., 1904.
- TAYLOR, MARTHA SHERMAN...Spring Valley, N. Y.....119 West 95th Street
TAYLOR, SHELDON.....99 Lee Avenue, Brooklyn, N. Y.
TEALE, EDWARD LEE.....1854 Eighty-second Street, Brooklyn, N. Y.
Columbia University, A.B., 1905.
- * TEETER, CHARLES HOWARD.....18th Avenue and East 3d Street, Brooklyn, N. Y.
Yale University, A.M., 1898.
- THEOBALD, JACOB, Jr.....542 East 11th Street
College of the City of New York, A.B., 1898.
- THOMAS, ELEANOR WALTER..Columbia, Richmond Co., S. C..1230 Amsterdam Avenue
College for Women, A.B., 1897; A.M., 1900.
- THOMAS, FRANCES BAKER.....Asbury Park, N. J.....130 East 60th Street
THOMAS, WILLIAM AUGUSTUS.....Port Chester, N. Y.
THOMPSON, NORMA.....343 West 20th Street
THOMPSON, SADIE MOLINEUX.....Easton, Md.....1230 Amsterdam Avenue
THORNE, BEATRICE SARA.....80 Lafayette Avenue, Brooklyn, N. Y.
THURSBY, ISABELLE STARKE...Orange City, Fla.....417 West 118th Street
TOBIN, MARTHA LA MOORE...227 Elm Street, Oberlin, O.....415 West 118th Street
Oberlin College, A.B., 1899.
- TOMLINSON, CLARENCE ARTHUR.....Proctor, Pa.....173 West 95th Street
TOMPKINS, ADA ECKERT.....178 Nepperhan Avenue, Yonkers, N. Y.
* TONNELÉ, JOHN LUNEAU, Jr.....48 East 68th Street
TOWNLEY, MARY B.....Peekskill, N. Y.....1230 Amsterdam Avenue
* TOWNSEND, EDWARD BENJAMIN.....414 West 124th Street
* TRASK, THOMAS CANN.....431 West 117th Street
Yale University, A.B., 1893; A.M., 1903.
- TRAVELL, IRA WINTHROP.....Plainfield, N. J.
Williams College, A.B., 1890.
- * TROWBRIDGE, CORNELIA BURTON...Westhaven, Conn....1230 Amsterdam Avenue
Cornell University, B.S., 1899.
- TROWBRIDGE, CORNELIA ROGERS.....1230 Amsterdam Avenue
Smith College, A.B., 1891.
- * TROWBRIDGE, JANETTE.....Westhaven, Conn.....1230 Amsterdam Avenue
TUTHILL, CHARLES S.....100 Hardenbrook Avenue, Jamaica, N. Y.
UPSHUR, BELLE.....Baltimore, Md.....1230 Amsterdam Avenue
* VALENTINE, MORRIS CRAWFORD.....259 West 131st Street
College of the City of New York, A.B., 1896.
- * VALENTINE, WILLIAM ROBERT.....60 Portland Place, Montclair, N. J.
Harvard University, A.B., 1904.
- * VANCE, RUFUS ADAIR.....34 Morningside Avenue
Missouri Valley College, A.B., 1893.
New York Law School, LL.B., 1902.
Columbia University, A.M., 1903.
- VAN DENBURG, JOSEPH KING.....541 West 124th Street
Wesleyan University, A.B., 1895; A.M., 1898.
- VAN MIDDLESWORTH, EDITH.....Peru, Neb.....419 West 118th Street
VAN RENSSELAER, BERNARD SANDERS.....40 West 97th Street

- * VENTRES, ADELAIDE BRAINERD.....Bloomfield, N. J.....15 West 18th Street
Smith College, A.B., 1888.
- VICKERMAN, JOHN WALLACE.....Muskegon, Mich.....1230 Amsterdam Avenue
- VOGEL, GEORGE EDWARD.....704 East 175th Street
College of the City of New York, B.S., 1897.
- VORIS, JOHN RALPH.....215 West 23d Street
Franklin College, A.B., 1901.
- VULTÉ, GILBERT PALMER.....33 Park Avenue, New Rochelle, N. Y.
- WADDELL, SALLIE NASH.....Rome, Ga.....1230 Amsterdam Avenue
- WAGG, FRANK PERLEY.....Lewiston, Me.....1230 Amsterdam Avenue
Bates College, A.B., 1901.
- WAHLE, MARIE.....520 West 123d Street
- WAHLSTROM, LEONARD WILLIAM.....Terrace View Avenue, Kingsbridge, N. Y.
- WALKER, ELIZABETH.....Troy, O.....1161 Amsterdam Avenue
- WALKER, EMMA.....1439 Pacific Street, Brooklyn, N. Y.....170th Street, corner Edge-
combe Road
- WALKER, JENNIE.....1439 Pacific Street, Brooklyn, N. Y.....170th Street, corner Edge-
combe Road
- WALKER, NANNIE.....Pueblo, Colo.
- WALLACE, LUELLA.....130 Fourteenth Street, Wheeling, W. Va.....1230 Amsterdam Avenue
- * WALSH, CHARLES JOSEPH.....209 Prospect Avenue, Brooklyn, N. Y.
- * WALSH, MICHAEL.....237 West 133d Street
Manhattan College, A.B., 1889.
- WASHINGTON, HENRY JAMES LAMAR.....112 Riverside Drive
- * WATERBURY, AVIS.....Augusta, Wis.....457 West 123d Street
- WATERS, ANNIE WILSON.....Normandy, Ky.....417 West 118th Street
- * WATSON, EVERETT VAIL.....280 West 86th Street, N. Y. City.....614 West 113th Street
- WAYLAND, NETTIE J.....3802 Fled Avenue, St. Louis, Mo.....415 West 118th Street
- WEBBE, HAROLD WILLIAM.....73 West 88th Street
- * WECHSLER, LAWRENCE ALBERT.....122 West 85th Street
- * WEIL, PERCIVAL LEOPOLD.....Far Rockaway, N. Y.....57 West 87th Street
- WEINSTEIN, JOSEPH.....2493 Third Avenue
- WEISMAN, CHARLES.....16 East 111th Street
College of the City of New York, B.S., 1900.
- * WELCH, ALBERTA MAUDE.....30 West 131st Street
Wellesley College, A.B., 1895.
- WELCH, EMILY HAMILTON.....Brooklyn, N. Y.....1230 Amsterdam Avenue
- WELDON, BLANCHE L.....87 Union Street, Rahway, N. J.
- WERTHEIMER, JULIE E.....774 Gates Avenue, Brooklyn, N. Y.
- WERTZ, EDITH BARBARA.....Quincy, Pa.....1230 Amsterdam Avenue
Wilson College, A.B., 1899.
- WEST, CLAUDE LORRAINE.....234 Broad Street, Newark, N. J.
- * WEST, HENRY JAMES.....Garnerville, N. Y.....170 West 85th Street
Columbia University, A.B., 1902.
- WHALLAY, JESSIE MAY.....Watervliet, N. Y.....1230 Amsterdam Avenue
- WHITAKER, BESSIE LEWIS.....Raleigh, N. C.....1230 Amsterdam Avenue
- WHITAKER, GOLDIA.....Gaylord, Mich.....1230 Amsterdam Avenue
- * WHITE, MAJOR LEE.....559 West 141st Street
- WHITE, MARIAN.....Washington, D. C.....1230 Amsterdam Avenue
- * WHITE, RALPH LEE.....559 West 141st Street
- * WHITMAN, WALTER GEORGE.....Norway, Me.....1230 Amsterdam Avenue
Tufts College, A.B., 1898.
- * WHITWELL, CUTLER BONESTEEL.....Tucson, Arizona.....608 West 113th Street
- WIDDOWSON, JAMES.....Dixonville, Pa.....525 West 123d Street
Juniata College, A.B., 1903.
- * WIEHLE, ALVIN LOUIS VIRGIL.....Wiehle, Va.....413 West 117th Street

- WILBUR, RACHEL JANE.....597 Decatur Street, Brooklyn, N. Y.
 WILBURN, EMILY PITMAN.....Sparta, Ga.....417 West 118th Street
 WILCOX, ERNEST GRANGER.....15 Walnut Street, Winfield, N. Y.
 * WILCOX, PHILIP WAKEMAN.....41 West 52d Street
 * WILCOX, WINIFRED.....Yonkers, N. Y.....1230 Amsterdam Avenue
 WILDE, HERBERT RUSSELL.....Dobbs Ferry, N. Y.
 WILLEMSSEN, JENNIE.....St. Louis, Mo.....1230 Amsterdam Avenue
 WILLIAMS, EVANGELINE ANNIE.....176 West 86th Street
 WILLIAMS, MARY EMMA.....Binghamton, N. Y.....Fort Washington Park
 Wesleyan University, Ph.B., 1899.
 * WILLIAMS, RICHARD GRANT.....319 South First Avenue, Mount Vernon, N. Y.
 WILLIAMSON, EL DORA.....Newberry, S. C.....1230 Amsterdam Avenue
 Converse College, A.B., 1904.
 WILLIS, MARGARET.....Charlotte, N. C.....1230 Amsterdam Avenue
 Elizabeth College, A.B., 1903.
 WILLSON, MARY ELIZABETH.....Indianapolis, Ind.
 WILLSON, VICTORIA ADELAIDE.....Indianapolis, Ind.
 WILSON, A. ESTHER.....Carbondale, Ill.....419 West 118th Street
 WILSON, HENRY ERNEST.....388 Halsey Street, Brooklyn, N. Y.
 Toronto University, A.B., 1892.
 * WILSON, JOHN REED.....536 East 27th Street, Paterson, N. J.
 WILSON, WILLIAM HENRY.....365 Pacific Street, Paterson, N. J.
 WINSLOW, CORISANDE.....Cleveland, Ohio.....1230 Amsterdam Avenue
 WINTER, JOHN JOSEPH.....East Fifteenth Street, near Avenue T, Brooklyn, N. Y.
 WIREBACH, VERONA.....St. Louis, Mo.....1230 Amsterdam Avenue
 * WISE, BYRD DOUGLAS.....154 West 76th Street
 * WITT, ABRAHAM W.....74 East 105th Street
 College of the City of New York, A.B., 1901.
 * WOOD, MARGARET CHESTER.....61 East 25th Street
 Normal College, New York City, A.B., 1896.
 WOODSMALL, HELEN.....Colorado Springs, Col.....4 West 105th Street
 * WOOLSON, SARAH ALICE.....Irvington-on-Hudson, N. Y.
 WORMLEY, JOSEPHINE ETHEL.....1801 8th Street, N. W., Washington, D. C...132 West
 32d Street
 * WRAY, GERTRUDE.....Birmingham, Pa.....1230 Amsterdam Avenue
 Wellesley College, A.B., 1891.
 * WRIGHT, KENNETH WHITEMORE.....67 West 131st Street
 College of the City of New York, B.S., 1903.
 WRIGHT, MABEL.....23 North Tenth Avenue, Mount Vernon, N. Y.
 WRIGHT, RALPH GARRIGUE.....44 West 84th Street
 Columbia University, B.S., 1899.
 Basel University, A.M., Ph.D., 1902.
 WYKES, ADELINE G.....59 East 59th Street
 WYNNE, KATHARINE VERONICA.....553 Dean Street, Brooklyn, N. Y.
 * YAGGY, SAMUEL EDWARD.....772 Park Avenue
 Cornell University, A.B., 1895.
 * YAMAMOTO, MIONO.....Kyoto, Japan.....20 Morningside Avenue
 Doshisha College, A.B., 1897.
 Imperial University, A.M., 1902.
 YATES, LYDIA ALLISON.....Wilmington, N. C.....420 West 124th Street
 * YOUNG, JULIA ELEKTRA LUDLOW (Mrs. R. M.).....529 West 123d Street
 * YOUNG, LOUISE ARMSTRONG.....Port Jervis, N. Y.
 * ZABRISKIE, EDWARD CORNELL.....52 West 93d Street
 College of the City of New York, B.S., 1893.
 ZELLNER, MINNIE A.....Easton, Pa.....1230 Amsterdam Avenue

SUMMER SESSION

Faculty of Medicine

AYRES, JOHN C., M.D.	Memphis, Tenn.	Sloane Maternity Hospital
BARTLETT, LAURENCE STEWART	317 West 56th Street	Princeton University, A.B., 1901.
BROOKE, WILLIAM WALLACE	Bayonne, N. J.	Columbia University, M.D., 1900.
CLASS, FRANKLIN MORRIS	3 East 73d Street	Harvard University, A.B., 1903.
CONLEY, DUDLEY STEELE	Columbia, Mo.	Missouri State University, B.L., 1899.
CONNERS, THOMAS W.	Buffalo, N. Y.	University of Buffalo, M.D., 1905.
CORSCADEN, JAMES ALBERT	250 West 94th Street	Wesleyan University, Ph.B., 1902.
DE MOTTE, JOHN B.	Greencastle, Ind.	
DERBY, RICHARD	3 East 40th Street	Harvard University, A.B., 1903.
DETWILLER, ALBERT KNECHT	Easton, Pa.	34 West 61st Street Lafayette College, Ph.B., 1901.
DRAPER, GEORGE	18 West 8th Street	Harvard University, A.B., 1903.
FABER, GUSTAVUS WILLIAM	Plainfield, N. J.	430 West 20th Street Princeton University, A.B., 1903.
FABER, JOHN PETER	Clarksville, N. Y.	Albany Medical College, M.D., 1905.
FOOT, NATHAN CHANDLER	Rye, N. Y.	340 West 57th Street Harvard University, A.B., 1903.
FOUCAR, FREDERIC HULTMAN	1275 Lexington Avenue	Columbia University, A.B., 1904.
GRANBERRY, DENIS WEBB	East Orange, N. J.	Harvard University, A.B., 1899.
GUILE, HUBERT VIVIAN	54 Pine Street	Princeton University, B.S., 1903.
HARRIS, IRA C.	Braddock, Pa.	University of Louisville, M.D., 1904.
HEDEMANN, FERDINAND FREDERICK	Honolulu, Hawaiian Islands.	210 West 72d Street
HOGUET, JOSEPH PIERRE	141st Street and Hudson River	Harvard University, A.B., 1904.
HOOVER, CHARLES S.	Alliance, Ohio.	161 West 75th Street Western Reserve University, M.D., 1901.
JAMES, HENRY	Baltimore, Md.	527 Madison Avenue Yale University, A.B., 1903.
KEENEY, CADWELL BENSON	Elizabeth, N. J.	11 Broadway Princeton University, A.B., 1903.
KINGSLEY, ROLFE	225 Riverside Drive	Yale University, Ph.B., 1902.
KRANS, EDWARD SHEAFE	29 West 84th Street	Bishop's College, Quebec, A.B., 1902.
LAMB, ALFRED RICHARD	Waterbury, Conn.	527 Madison Avenue Yale University, A.B., 1903.

- LIEB, CHARLES CHRISTIAN.....317 West 57th Street
Columbia University, A.B., 1902.
- MINER, CHARLES H.....Wilkesbarre, Pa.
University of Pennsylvania, M.D., 1893.
- MIXSELL, RAYMOND BOILEAU.....Easton, Pa.....72 East 34th Street
Princeton University, A.B., 1903.
- NORTON, CHARLES WORTH.....San Francisco, Cal.....328 West 56th Street
- OPPENHEIMER, FREDERIC GOLDING.....San Antonio, Texas.....134 West 93d Street
Columbia University, A.B., 1902.
- PEASE, MARSHALL CARLETON, Jr.....Downer's Grove, Ill.....46 West 83d Street
Beloit College, B.S., 1902.
- SCHWARTZ, PETER.....316 East 8th Street
- SPELMAN, HARRY TUCKER.....196 Eighth Avenue, Brooklyn, N. Y.
- STILLMAN, ALFRED, 2d.....35 East 39th Street
Harvard University, A.B., 1903.
- SWANN, ARTHUR WARTON.....Stockbridge, Mass.....550 Park Avenue
Harvard University, A.B., 1903.
- TRUESDELL, EDWARD DELAVAN...26 Remsen Street, Brooklyn, N. Y...343 West 56th
Street
Princeton University, A.B., 1902.
- TWEDDELL, FRANCIS.....Great Neck, L. I., N. Y.
- ULRICH, ROBERT M.....633 Willoughby Avenue, Brooklyn, N. Y.
Long Island College Hospital, M.D., 1904.
- VAIL, CHARLES EDWARD.....Newark, N. J.....343 West 56th Street
Princeton University, A.B., 1902.
- WATKINS, EDWIN DIAL.....Chattanooga, Tenn.....117 West 81st Street
University of Virginia, B.S., 1902.
- WHITFIELD, FINLEY K.....Braddock, Pa.
University of Louisville, Ky., M.D., 1904.

SUMMARY

Students in the Summer Session.....	976
Students in the Summer Courses in Medicine.....	42
Students in Summer Courses in other Departments:	
In Geodesy.....	24
" Geology.....	39
" Metallurgy.....	63
" Mining.....	41
" Surveying.....	166
	<hr/> 333
	1351

EXTENSION TEACHING

ADMINISTRATIVE BOARD

JAMES EARL RUSSELL, LL.D.,
Dean of Teachers College

ADOLPHE COHN, LL.B., A.M.,
Professor of the Romance Languages and Literatures

FRANKLIN THOMAS BAKER, A.M.,
Professor of the English Language and Literature

HERBERT GARDINER LORD, A.M.,
Professor of Philosophy

FREDERICK HENRY SYKES, Ph.D.,
Director of Extension Teaching

OFFICERS OF INSTRUCTION

In the University Faculties and Schools

Professors—WOODHULL, HAMLIN, MOSES, COHN, JACKSON, HALLOCK, BAKER, CLARK, DODGE, McMURRY, MONROE, SPERANZA, BIKLÉ, LLOYD, DUTTON, CRAMPTON, THORNDIKE, FARNSWORTH, SMITH, BREWSTER, WOODBRIDGE, KNAPP, BAGSTER-COLLINS, BIGELOW, SYKES, HERVEY, TOMBO, STOUGHTON, McWHOOD, SPINGARN, DOW, LOISEAUX, SHEPHERD, TUFTS, JOHNSON

Instructors—JORDAN, REMY, MONTÉ, NOYES, MARCH, NORSWORTHY, CRAWFORD, VAN ARSDALE, LING, BARGY, MONTAGUE, STRAYER, SKARSTROM

Tutors—CURTIS, MITCHELL, BRAUN, FITZ-GERALD, KIRCHWEY MULLER, HAWORTH, HEUSER, McRAE, SAGE, DAY, COOLEY

Lecturers—KRAPP, HODGE, WISSLER, PAGE, BEARD, SEIBERTH, RICHARD

Assistants—SCHENCK, PENISTON, ZERBE, BENTON, NOBLE, BIGONGIARI, ABBOTT, NOURSE, WEISER, WHEELLOCK, THATCHER

Other Officers of Instruction

JAMES HULME CANFIELD, A.M., LL.D., Lit.D., *History*; CLYDE FURST, A.M., *English Literature*; THOMAS WHITNEY SURETTE., *Music*;

FRANK WADLEIGH CHANDLER, Ph.D., *Romance Languages and Literature*; MARI RUEF HOER, *Music*; DANIEL GREGORY MASON, A.B., *Music*; WENDELL DOUGLAS VOLK, *Domestic Art*; ANNA BARROWS, *Domestic Science*; CHARLES JOHNSTON, *History*.

GENERAL STATEMENT

1. Extension Teaching is defined by the Statutes of the University as instruction given by University officers and under the administrative supervision and control of the University, either away from the University buildings or at the University, for the benefit of students not able to attend the regular courses of instruction.

Extension Teaching is under the immediate supervision of an Administrative Board and the Director of Extension Teaching. The relation of Extension Teaching to the other work of the University is subject to the jurisdiction of the University Council.

Extension Teaching facilitates and directs instruction for students not in academic residence by means of various courses of instruction given at special times and places, both at the University and elsewhere. The University thus offers to men and women, especially to those engaged in teaching, who can give only a portion of their time to study, an opportunity to pursue some subjects included in a liberal education and to make progress, if they so desire, towards a diploma in teaching or an academic degree.

2. Subject to the general authority of the University Council, the weight to be attached to attendance upon an Extension course on the part of a student who subsequently makes application to be admitted to candidacy for a degree or diploma is fixed by the appropriate Faculty or Administrative Committee.

COURSES OF INSTRUCTION

The courses of instruction offered in Extension Teaching are of two kinds:

Credit Courses, *i. e.*, courses that are credited by the Faculties concerned, or by the University Council, towards the fulfilment of the requirements for degrees and diplomas.

Lecture Courses, *i. e.*, short courses of lectures which are not accepted towards the fulfilment of requirements for degrees and diplomas.

For detailed information as to the places and hours for these courses both at the University and at the several local centres, the qualifications for admission, the regulations for registration, candidacy for degrees and diplomas, attendance and examinations, the fees prescribed, and for a statement of each course offered, see the *Announcement of Extension Teaching, 1905-06*, which may be obtained without charge upon application to the Secretary of the University.

CREDIT COURSES

For 1905-06 credit courses are offered to Extension students as follows:

SUBJECT	NUMBER OF COURSES	SUBJECT	NUMBER OF COURSES
Anthropology.....	2	Manual Training.....	3
Architecture.....	1	Mathematics.....	4
Biblical Literature.....	2	Mineralogy.....	1
Botany.....	1	Music.....	10
Comparative Literature	1	Nature Study.....	2
Domestic Art.....	4	Philosophy.....	2
Education.....	7	Physical Education..	1
English.....	12	Physical Science.....	2
Fine Arts.....	3	Physics.....	2
Geography.....	2	Political Science.....	1
German.....	10	Psychology.....	1
History.....	4	Romance Languages..	6

The following non-credit courses are likewise offered at the University:

Domestic Art.....	3	Metallurgy.....	1
Domestic Science....	4		

LECTURE COURSES

For 1905-06 the following lecture courses are offered for delivery in local centres:

SUBJECT	NUMBER OF COURSES	SUBJECT	NUMBER OF COURSES
Anthropology.....	1	Latin.....	1
Architecture.....	2	Mathematics.....	2
Astronomy.....	4	Metallurgy.....	1
Biblical Literature....	2	Music.....	14
Biology.....	1	Philosophy.....	5
Comparative Literature	2	Physical Education. .	5
Domestic Science.....	3	Physics.....	4
Education.....	3	Political Science.....	1
English.....	17	Psychology.....	4
Fine Arts.....	9	Romance Languages:	
Geography.....	5	French.....	5
German.....	8	Spanish.....	3
History.....	8	Italian.....	1
Indo-Iranian.....	4	Zoölogy.....	2

UNIVERSITY BIBLIOGRAPHY

FOR THE ACADEMIC YEAR ENDING JULY 1, 1905

I. Official Publications of Columbia University

Annual Catalogue: describes the organization of the University, and gives a full statement of courses and facilities for research offered during the current year, lists of officers and students, accounts of fellowships, scholarships, and honors offered and conferred, estimates of expenses, requirements for admission and degrees, and the regulations governing the College and the various Schools of the University. Issued each December. Price, 25 cents.

Annual Reports of the President and the Treasurer to the Trustees: issued each November.

Directory of Officers and Students: issued each year soon after the opening of the University; contains the names, office hours, and addresses of the officers of the University, and the names and addresses of the students registered up to the time of publication; revised and a second edition printed complete.

General Catalogue of the Alumni: issued sextennially; contains the names and addresses of all graduates of the University. The current edition is that of 1900. Price, \$2.00. For sale at the University Press Bookstore and in the office of the Registrar.

Announcements of the various Schools of the University are issued in the spring of each year and contain information concerning admission, expenses, courses of instruction to be given during the coming year, and requirements for degrees. They include:

Announcement of Columbia College, for the work for men leading to the degree of Bachelor of Arts.

Announcement of the School of Law, for the work leading to the degree of Bachelor of Laws.

Announcement of the College of Physicians and Surgeons, for the work leading to the degree of Doctor of Medicine.

Announcement of the College of Pharmacy, for the work leading to appropriate degrees and certificates.

Announcement of the Schools of Applied Science, together with the special announcements of the courses in Mining and Metallurgy, in Chemistry, and in Civil, Electrical, and Mechanical Engineering.

Announcement of the Faculties of Political Science, Philosophy, and Pure Science, for all non-professional advanced work leading to the degrees of Master of Arts and Doctor of Philosophy.

Announcement of Courses in the Fine Arts, including courses of instruction given in the School of Architecture, in the Department of Music, and in the Departments of Fine Arts and Music in Teachers College.

Announcement of the Summer Session.

Announcements of the Summer Courses in Medicine and in Surveying.

Circular of Information as to Entrance Examinations.

Circular of General Information, with views of the University buildings.

Announcement of Student Organizations, Athletic and Other, under the supervision of the Comptroller of Student Organizations.

Announcements of the several divisions of the University are issued in the spring, and contain full information concerning the work of the coming year, or years, in those divisions. These circulars are devoted to Biology; Classical Philology; Geology, Geography, and Mineralogy; History, Economics, and Public Law; Mathematical and Physical Science; Modern Languages and Literatures; Physical Education; Oriental Languages; Philosophy, Psychology, and Anthropology.

Unless otherwise stated, all the publications above named are distributed without charge upon application to the Secretary of Columbia University.

Publications of Barnard College:

Announcement of Barnard College: contains full information concerning admission, expenses, courses of instruction, and requirements for the degree of Bachelor of Arts.

Report of the Dean: issued yearly.

These publications are distributed without charge upon application to the Secretary of Barnard College.

Publications of Teachers College:

Announcement of Teachers College: issued annually; contains full information concerning the organization, equipment, and work of this institution, the Department of Education of Columbia University.

Report of the Dean: issued each November.

Special Circulars describing the work of the departments of:

Educational Psychology, History and Philosophy of Education, Educational Administration, Secondary Education, Elementary Education, Physical Education, Kindergarten, Domestic Art, Domestic Science, Fine Arts, Manual Training, Music, and of other departments. Also a special **Announcement of Extension Teaching.**

These may be obtained without charge upon application to the Secretary of Teachers College.

Syllabi of Extension Courses, a list of which may be had by addressing the Director of Extension Teaching, Teachers College.

Circular of the Horace Mann School; a school fully equipped with kindergarten, elementary, and secondary classes, maintained by Teachers College as a school of observation.

This circular may be obtained without charge upon application to the Superintendent of the Horace Mann School.

Publications of the College of Pharmacy:

Announcement of the College of Pharmacy, issued annually; contains full information concerning the organization, equipment, and work of this institution.

II. The Columbia University Press

The Columbia University Press was organized with the approval of the Trustees of Columbia College and was incorporated June 8, 1893, for the purpose of promoting the publication of works embodying the results of original research. The Press is a private corporation, related directly to Columbia University by the provisions that its Trustees must always be officers of the University, and that the President of the University shall be the President of the Press.

Trustees

THE PRESIDENT OF THE UNIVERSITY (*ex-officio*)

WILLIAM H. CARPENTER, *Secretary*

JOHN B. PINE, *Treasurer*

BRANDER MATTHEWS

GEORGE R. CARPENTER

FRANKLIN H. GIDDINGS

T. MITCHELL PRUDDEN

FRANCIS B. CROCKER

HENRY FAIRFIELD OSBORN

HARRY THURSTON PECK

During the year ending July 1, 1905, the Press, through The Macmillan Co., of New York and London, its publishing agents, issued numbers of the following ¹:

Studies in Romance Philology and Literature; Studies in History, Economics, and Public Law; Studies in English; Hewitt Lectures; *Columbia University Quarterly*, and *Teachers College Record*.

¹ For previous issues from the Press see the *University Catalogue* for 1899-1900, pages 398-399; 1900-1901, pages 455-456; 1901-1902, pages 439-441; 1902-1903, pages 445-449; 1903-1904, pages 439-443; 1904-1905, pages 465-470; and the full catalogue issued by The Macmillan Co.

III. Publications, Contributions, and Serial Studies from the University¹

Biological Series—Founded in 1892; devoted to the general problems of biology; managing editors, H. F. Osborn and E. B. Wilson; published for the Columbia University Press by The Macmillan Co., New York; issued irregularly, about one volume a year; price per volume (from 300 to 400 pages), \$2.00 to \$3.50.

Botanical Club, Memoirs of the Torrey.—Founded in 1889; published by the Club, from Columbia University; issued irregularly, about one volume a year; \$3.00 per volume; prices of parts on application.

Vol. XIII. *Studies in Aster, II: The Biotian Asters*. By E. S. BURGESS.

Botany, Contributions from the Department of.—Founded in 1886; devoted to short papers, in part reprints from other periodicals; editor, L. M. Underwood; published by the editor, from Columbia University; issued irregularly, but usually one volume a year; price per volume (about 330 pages, 30 plates), \$5.00.

No. 213. *The nomenclature of Calonyction bona-nox*. By HOMER D. HOUSE. (1904.)
—No. 214. *The early writers on ferns and their collections, I-IV*. By LUCIEN M. UNDERWOOD. (1903-05.)—No. 215. *Further observations on Taxodium*. By ROLAND M. HARPER. (1905.)—No. 216. *Phytogeographical explorations in the coastal plain of Georgia in 1903*. By ROLAND M. HARPER. (1905.)—No. 217. *A summary of Charles Wright's explorations in Cuba*. By LUCIEN MARCUS UNDERWOOD. (1905.)—No. 218. *Stimulation of Sterigmatocystis by chloroform*. By MARION ELIZABETH LATHAM. (1905.)—No. 219. *Phytogeographical explorations in the coastal plain of Georgia in 1904*. By ROLAND M. HARPER. (1905.)

Botany, Memoirs of the Department of.—Founded in 1895; devoted to more extended monographs; editor, L. M. Underwood; published by the editor, from Columbia University; issued irregularly; \$6.00 per volume; list on application.

Chemistry, Contributions from the Havemeyer Laboratories.—Founded in 1898; reprints of papers recording research by officers and students in the School of Chemistry; managing editor, C. F. Chandler; published by the editor, from Columbia University; issued annually; each volume contains the publications of one year, beginning July 1; price on application.

Vol. VII, No. 99. *A crucible charge for gold and silver in zinc ores*. By E. J. HALL and E. POPPER.—No. 100. *Changes in the composition of some ferrocyanides of cadmium and zinc after precipitation*. By E. H. MILLER and M. J. FALK.—No. 101. *The determination of nitrogen in organic compounds*. By H. C. SHERMAN and M. J. FALK.—No. 102. *The application of bismuth ammonium molybdate to gravimetric*

¹ For purposes of record and information, it is the aim to publish each year a complete list of the numbers issued in each of these series during the preceding academic year. If no list appears under a given heading, it may be assumed that no numbers were issued.

analysis. By E. H. MILLER and F. V. D. CRUSER.—No. 103. The determination of ammonia in milk. By W. N. BERG and H. C. SHERMAN.—No. 104. A study of methods for the determination of formaldehyde. By ROLAND H. WILLIAMS.—No. 105. The influence of atmospheric oxidation upon the analytical constants of fatty oils. (Second paper.) By H. C. SHERMAN and M. J. FALK.—No. 106. The synthesis of 5-nitro-4-ketodihydroquinazolines from 6-nitro-2-aminobenzoic acid, 6-nitro-2-acetylaminobenzoic acid, and from the corresponding nitro acetylantranil. By MARSTON TAYLOR BOGERT and VICTOR JOHN CHAMBERS.

Comparative Literature, Studies in.—Founded in 1899; contain results of literary research or criticism by officers or students of the Department of Comparative Literature, or those connected with them in study; editors, J. B. Fletcher and J. E. Spingarn; published for the Columbia University Press by The Macmillan Co., New York; issued irregularly at varying prices. Eight volumes have already been published, and others are in preparation.

Classical Philology, Studies in.—Founded in 1902; contain results of original research in the classical languages and literatures; edited by H. T. Peck and E. D. Perry; published for the Columbia University Press by The Macmillan Co., New York; issued irregularly; prices variable.

Electrical Engineering, Contributions from the Department of.—Founded in 1889; devoted to papers (chiefly reprints) by officers and students; managing editor, F. B. Crocker; published by the editor, from Columbia University; issued irregularly; prices on application.

English, Studies in.—Founded in 1900; issued by authority of the Department of English; published for the Columbia University Press by The Macmillan Co., New York; issued irregularly at varying prices.

Volume 3. Classical echoes in Tennyson. By WILFRED PIRT MUSTARD.

Geological Department, Contributions from the.—Founded in 1892; include short contributions and longer monographs; managing editor, J. F. Kemp; published (partly original, partly reprints) by the editor, from Columbia University; issued irregularly; prices on application.

Volume XII, No. 101. (a) Geology of the San Pedro District, San Luis Potosi, Mexico. By GEORGE I. FINLAY. (b) On the classification of sedimentary rocks. By AMADEUS W. GRABAU.—No. 102. Upper Siluric and Lower Devonian faunas of Trilobite Mountain, Orange County, N. Y. By HERVEY WOODBURN SHIMER.—No. 103. (a) Geological notes on the vicinity of Banff, Alberta. By I. H. OGILVIE. (b) The effect of superficial debris on the advance and retreat of some Canadian glaciers. By I. H. OGILVIE. (c) Laminated interglacial clays of Grantsburg, Wis. By CHARLES P. BERKEY.—No. 104. (a) Preliminary report of the serpentine belt of Lamville and Orange counties, Vermont. By V. F. MARSTERS. (b) The comparative accuracy of the methods for determining the percentages of the several components of an igneous rock. By IRA A. WILLIAMS.—No. 105. (a) Copper Mountain, British Columbia. By JULES CATHERINET. (b) Economic geology of the Pembina region of North Dakota.

By CHARLES P. BERKEY.—No. 106. (a) Notes on the Siluric or Ontario section of eastern New York. By C. A. HARTNAGEL. (b) Recent journeys among localities noted for the discovery of remains of prehistoric man. By J. HOWARD WILSON.

Germanic Studies.—Founded in 1899; contain results of original research in Germanic languages and literatures; editors, W. H. Carpenter and Calvin Thomas; published for the Columbia University Press by The Macmillan Co., New York; issued irregularly; prices variable.

Vol. II, No. 1. Laurence Sterne in Germany. By HARVEY WATERMAN THAYER.
—No. 2. Types of Weltschmerz in German poetry. By WILHELM ALFRED BRAUN.

History, Economics, and Public Law, Studies in.—Founded in 1891; contain results of original research by students in the School of Political Science; managing editor, E. R. A. Seligman; published by The Macmillan Co., New York; one volume or more issued yearly; price per volume, \$3.00 to \$4.50.

Vol. XIX, No. 3. Trade unions and the law in New York. By GEORGE GORHAM GROAT.—Vol. XXIII, No. 1. The economics of land tenure in Georgia. By ENOCH MARVIN BANKS.—No. 2. Mistake in contract. By EDWIN C. McKEAG.—No. 3. Combination in the mining industry. By HENRY RAYMOND MUSSEY.—No. 4. The English craft guilds and the Government. By STELLA KRAMER.

Indo-Iranian Series.—Founded in 1900; contain works published by officers and students in the Department of Indo-Iranian Languages, or by others associated with them in study; editor, A. V. Williams Jackson; published for the Columbia University Press by The Macmillan Co., New York; issued irregularly at varying prices.

Library Bulletins.—Founded in 1897 as *Publications*; show the resources of the Library on various subjects; editor, C. Alex. Nelson; published by the Library, from Columbia University; issued irregularly.

No. 1. List of books chiefly on the drama and literary criticism. 1897. (Pp. 64.) Covers only the purchases made from a single donation, and but partially represents the resources of the Library.

No. 2. Books on education in the Libraries of Columbia University. (Pp. vi. and 435, \$1.00 net.)

EXTRA PUBLICATIONS:

Columbiana: A bibliography of manuscripts, pamphlets, and books relating to the history of King's College, Columbia College, Columbia University. Prepared by C. A. Nelson. 1904. (Pp. 48, front.) *For exchange only.*

Mineralogy, Contributions from the Department of.—Founded in 1892; contain articles and text-books by officers and students; managing editor, A. J. Moses; published by the editor, from Columbia University; issued irregularly (often in reprint); prices on application.

Observatory, Contributions from the.—Founded in 1892; contain astronomical researches; managing editor, Harold Jacoby; pub-

lished by the Department of Astronomy, Columbia University; issued irregularly; prices on application.

No. 22. Researches as to the identity of the Periodic Comet of 1889-1896-1903 (Brooks) with the Periodic Comet of 1770 (Lexell). By CHARLES LANE POOR. (82 pp.)

No. 23. Tables for the reduction of astronomical photographs. By HAROLD JACOBY.

Oriental Studies.—Founded in 1902; record results of original research in the Oriental languages and literatures; edited by Richard J. H. Gottheil; published for the Columbia University Press by The Macmillan Co., New York; issued irregularly at varying prices.

Pathology, Studies from the Department of.—Founded in 1890; record results of research in the department; managing editor, T. M. Prudden; on sale by J. T. Dougherty, New York; issued irregularly; price per volume (about 175 pp.), \$1.00.

Philosophy, Psychology, and Education, Contributions to.—Founded in 1894; original studies by officers and students of this division; edited by a committee representing the departments interested; published by The Macmillan Co., New York; issued irregularly; per number, average, 75c.; per volume (about 450 pages), average, \$3.00.

Physiological Chemistry—"Biochemical Researches": Collected reprints of publications from the Laboratory of.—Founded in 1899; record results of research in the department; managing editor and publisher, William J. Gies; issued irregularly in bound volumes of 700-800 pages; price, per volume, \$5.00.

Romance Philology and Literature, Studies in.—Founded in 1900; edited by Adolphe Cohn and H. A. Todd; published for the Columbia University Press by The Macmillan Co., New York; issued irregularly at varying prices.

No. 5. The Anglo-Norman dialect. By LOUIS EMIL MENDER.

No. 6. Corneille and Racine in England. By DOROTHEA FRANCES CANFIELD.

Series Announced

Physiology, Studies from the Department of.—Founded in 1900; contain reprints of articles published by officers and students of the department; edited by J. G. Curtis and F. S. Lee. (Three volumes in preparation.)

IV. Journals

Issued under the Editorial Direction of Officers of Columbia University

Bookman.—Founded in 1895; devoted to the criticism of American and foreign literature in all its forms; containing articles, book reviews, correspondence, and editorial comment upon current events; edited by Harry Thurston Peck; New York: Dodd, Mead, & Co.; monthly (136 pp.), 20c.; per year, \$2.00.

- Bulletin of the Torrey Botanical Club.**—Founded in 1870; devoted to scientific botany in its widest sense; editor, J. H. Barnhart; published by the editor, from the New York Botanical Garden; monthly, 30c.; per year (about 650 pp., with 40 plates), \$3.00.
- Charities.**—Founded in 1897; devoted to local and general philanthropy; editor, Edward T. Devine; New York: Charity Organization Society; weekly, 5c.; monthly, 10c.; per year (about 600 pages), \$2.00.
- Columbia University Quarterly.**—Continuing, since 1898, the **Bulletin**, founded in 1890; publishes articles on the history, the current activities, and the policy of Columbia, for the information of officers, alumni, and friends of the University; edited by a committee (managing editor, for 1905, J. H. Robinson; for 1906, R. Tombo, Jr.); published for the Columbia University Press by the New Era Printing Co., Lancaster, Pa.; quarterly (125 pages), with occasional supplements, 30c.; per year, \$1.00.
- Educational Review.**—Founded in 1891; devoted to the study of education in all its forms; containing articles, discussions, book reviews, foreign correspondence, and editorial review of current events; edited by Nicholas Murray Butler; New York: Educational Review Publishing Co.; monthly, except July and August (108 pp.); per year, \$3.00; foreign, \$3.50.
- Journal of Geography.**—Devoted to the interests of teachers of geography in elementary, secondary, and normal schools; edited by Richard E. Dodge; published by the **Journal of Geography**, Teachers College, New York; monthly, except July and August (48 pp.), 20c.; per year, \$1.50.
- Journal of Nervous and Mental Disease.**—Founded in 1872; devoted to the study of diseases of the nervous system; managing editor, S. E. Jelliffe; advisory board of editors includes M. A. Starr and F. Peterson; New York: Alliance Press Co.; monthly (80 pp.), 50c.; per year, \$5.00.
- Journal of Philosophy, Psychology, and Scientific Methods.**—Founded in 1904; devoted to short articles, preliminary reports, discussions, abstracts, and reviews in the field of scientific philosophy and psychology; edited by Frederick J. E. Woodbridge; New York: The Science Press; bi-weekly (28 pp.), 15c.; per year, \$3.00.
- Medical News.**—Founded in 1843; a weekly journal devoted to advances in medicine and surgery; editor, S. E. Jelliffe; New York: Lea Brothers & Co.; weekly (48 pp.), 10c.; per year \$4.00.
- Nature Study Review.**—Founded in 1904; devoted to the study of elementary nature study in all its forms; editor, Maurice A. Bigelow; J. F. Woodhull on editorial committee; published for the editor by the New Era Printing Co., Lancaster, Pa.; bi-monthly, 20c.; per year, \$1.00.

- Plant World.**—Founded in 1897; organ of the Wild Flower Preservation Society of America; an illustrated monthly of plant life; editor, F. E. Lloyd; Washington, The Plant World Company; monthly (28 pp.); per year, \$1.50.
- Political Science Quarterly.**—Founded in 1886; devoted to the study of politics, economics, and public law; publishes annually about 25 leading articles, especially on questions of current interest, and about 130 reviews, and gives a condensed general record of political events; edited by the Faculty of Political Science (managing editor, Munroe Smith); Boston and New York: Ginn & Co.; quarterly (about 190 pp.), 75c.; per year, \$3.00.
- Popular Science Monthly.**—Founded in 1872; devoted to the diffusion of science; edited by J. McK. Cattell; New York: The Science Press; monthly (96 pp.), 30c.; per year, \$3.00.
- School of Mines Quarterly.**—Founded in 1879; official organ of the Alumni Association of the Schools of Science of Columbia University; devoted to the publication of original papers on engineering, metallurgy, chemistry, architecture, mineralogy, and geology; managing editor, R. E. Mayer; published by the editors; per year, \$2.00.
- Teachers College Record.**—Founded in 1899; devoted to the practical problems of elementary and secondary education, and the professional training of teachers; edited by J. E. Russell; published for the Columbia University Press by The Macmillan Co., New York; bi-monthly, except July (about 80 pp.), 30c.; per year, \$1.00.
- Torrey.**—Founded in 1901; a monthly journal of botanical notes and news; devoted to shorter articles than appear in the *Bulletin*, together with book reviews; editor, Marshall A. Howe; published by the Torrey Botanical Club; monthly, 15c.; per year, \$1.00.
- Issued with the Editorial Coöperation of Officers of Columbia University*
- American Anthropologist.**—Founded in 1888; contains original contributions and reviews on anthropology; edited by a board, including Franz Boas; New York: The Science Press; quarterly, \$1.25; per year (about 800 pp.), \$4.00.
- American Historical Review.**—Founded in 1896; devoted to the interests of historical study in the United States, it publishes reviews of important works, results of original research, documents for the use of investigators, and news of the work of European scholars; six editors, including W. M. Sloane; New York: The Macmillan Co.; quarterly; per copy, \$1.00; per year, \$4.00.
- American Journal of Anatomy.**—Founded in 1901; edited by a board including G. S. Huntington; published in Baltimore; quarterly; per year, \$5.00.

American Journal of Archæology.—Founded in 1885: official journal of the Archæological Institute of America, publishing papers of the Institute and of the Schools at Athens, in Rome, and in Palestine, and annual reports of these bodies, and issuing special bulletins; honorary editors include J. R. Wheeler; business manager is C. H. Young; New York: The Macmillan Co.; quarterly, \$1.50; per year, \$5.00.

American Journal of Physiology.—Founded in 1898; edited for the American Physiological Society; contains original contributions on purely physiological subjects; seven editors, including F. S. Lee; Boston: Ginn & Co.; monthly; per volume (about 500 pp.), \$5.00.

Biochemisches Centralblatt.—Founded in 1902; devoted to the combined interests of Chemistry and Medicine; sub-editors include R. Burton-Opitz; New York: G. E. Stechert; bi-monthly; per year, \$7.00.

Biological Bulletin.—Founded in 1899; contains short original contributions; seven editors, including E. B. Wilson.

Biophysikalisches Centralblatt.—Founded in 1905; devoted to Biology, Physiology, and Pathology; sub-editors include R. Burton-Opitz; Leipzig: Gebrüder Borntraeger; semi-monthly; per year, 30 marks.

Bulletin of the American Mathematical Society.—Founded in 1891; a historical and critical review of mathematical science, containing also lists of new publications, notes on current events in the mathematical world, and many short original articles; editors, F. N. Cole, D. E. Smith, and others; New York: The Macmillan Co.; monthly, except July and August; per year (about 500 pp.), \$5.00.

German-American Annals.—Founded in 1897 as *Americana Germanica*; devoted to the comparative study of the historical, literary, linguistic, educational, and commercial relations of Germany and America; contain original researches, critical articles, and reviews; contributing editors include W. H. Carpenter and Calvin Thomas. Philadelphia: German American Historical Society; monthly (about 64 pp.), 25c.; per year, \$3.00.

Goethe Jahrbuch.—Founded in 1880; edited by Ludwig Geiger; English American bibliography compiled by R. Tombo, Jr.; Frankfurt a/M.; yearly (about 430 pp.), 10 marks.

Internationales Centralblatt für Laryngologie, Rhinologie und verwandte Wissenschaften.—Founded in 1884; edited by Sir Felix Semon; American editor, G. M. Lefferts; Berlin: A. Hirschwald; monthly; per year, 15 marks (about 700 pp.).

Journal of the American Chemical Society.—Founded in 1878; official journal of the American Chemical Society; devoted to the publication of articles upon recent chemical investigations and similar

topics. The board of reviewers of American chemical research includes M. T. Bogert; Easton, Pa.: The Chemical Publishing Co.; monthly, 50c.; per year (about 2000 pp.), \$6.00.

Journal of Comparative Neurology and Psychology.—Founded in 1891; devoted to the comparative study of the nervous system; includes original compositions, reviews, and notices; associate editors include O. S. Strong, with collaboration of H. E. Crampton, F. S. Lee, T. H. Morgan, E. L. Thorndike, and others; published at Granville, Ohio; bi-monthly; per year, \$4.00.

The Journal of Experimental Zoölogy.—Founded in 1904; contains original contributions on experimental zoölogy, morphology, and physiology; eleven editors, including E. B. Wilson and T. H. Morgan; Baltimore: The Journal of Experimental Zoölogy; quarterly; per year, \$5.00.

Journal of Morphology.—Founded in 1887; contains original contributions on purely morphological subjects; seven editors, including E. B. Wilson; Boston: Ginn & Co.; quarterly; per year, \$9.00.

Medical Review of Reviews.—Founded in 1895; editor, Daniel Lewis; associate editor, A. C. Prentice; New York: Review of Reviews Co. (incorporated); monthly (64 pp.); per year, \$1.00.

Modern Philology.—Founded in 1903; a journal devoted to research in modern languages and literatures; advisory board includes Calvin Thomas; published by the University of Chicago Press; quarterly; per year, \$3.00.

Science.—Founded in 1883; devoted to the advancement of science; edited by J. McK. Cattell, with an editorial committee, including N. L. Britton, H. F. Osborn, R. S. Woodward, and others; New York: The Macmillan Co.; weekly, 15c.; per year (about 2000 pp.), \$5.00.

Transactions of the American Mathematical Society.—Founded in 1900; a journal devoted primarily to research in pure and applied mathematics; the official organ of the Society for the publication of important papers read before it; three editors, including T. S. Fiske; New York: The Macmillan Co.; quarterly; per year (about 500 pp.), \$5.00.

V. Student Publications at Columbia

The Barnard Bulletin.—Founded in 1901; a four-page sheet, issued weekly, containing Barnard College news; per copy, 5c.; per year, \$1.50.

The Columbia Jester.—Founded in 1901; an illustrated comic paper, edited by a board of students; published twice a month during the college year; averages ten pages of reading matter and illustrations and a cartoon cover; per copy, 15c.; per year, \$1.50 (by mail, \$2.00).

- The Columbia Law Review.**—Founded in 1901; devoted to the publication of legal articles and book reviews by writers of recognized authority, and comment upon recent cases by the editors; conducted by a board of editors, averaging sixteen in number; monthly, November to June; (70 pp.); per copy, 30c.; per year, \$2.00.
- The Columbia Monthly.**—Founded in 1903; by the combination of the *Columbia Literary Monthly*, founded in 1893, and *Morningside*, founded in 1896; an illustrated magazine, devoted both to articles on Columbia University, of historical and of immediate interest, and to stories, verse, essays, editorials, and book reviews; edited by a board, consisting of college undergraduates and a Barnard representative; monthly, November to June, per year, \$1.00.
- The Columbian.**—The annual; a bound illustrated volume, containing statistics of athletics, fraternity membership, class achievements, and other valuable information concerning student life in the University for the year just past; published the week before Christmas by a board of twelve editors from the junior class, six elected from Columbia College and six from the Schools of Applied Science. The sixteenth volume was published by the class of 1906, at \$1.50.
- The Columbia Spectator.**—Founded in 1877; published daily, except Sunday, during the college year; edited by a managing board of five, assisted by a board of six editors and from twelve to twenty-five associate editors; per copy, 3c.; per year, \$4.00.
- The English Graduate Record.**—Founded in 1905; to chronicle important facts in the life and work of graduate students of English in the University and after leaving; conducted by a board of three editors with G. R. Carpenter as advisory editor; single numbers, 15c.; double numbers, 25c.; per year, \$1.00.
- The Mortarboard.**—Founded in 1897; an annual corresponding to the *Columbian*, but more literary in character, including, besides the history of the junior class, poems, stories, and sketches, and other reading matter; published early in the second term by a board of about eight, elected from the junior class of Barnard College; price, \$1.00.
- The Senior Class-Book.**—A book privately printed by the senior class of Columbia College, through an editorial board, and distributed on class-day. Revived by the class of 1899 and continued by the succeeding classes, including pictures and autobiographies of the members, letters from the faculty, and the class-day speeches.
- The Teachers College Bulletin.**—Founded in 1901; a four-page sheet; issued weekly, containing Teachers College news; per copy, 5c.; per year, \$1.00 (by mail, \$1.50).

DEGREES CONFERRED DURING 1904-05

Bachelor of Arts

COLUMBIA COLLEGE

HARRY ANSPACHER
 SAMUEL LLOYD BARRICK
 WILLIAM BURNET BARROWS
 FREDERICK ELLIOTT BIERMANN
 CLINTON HAMLIN BLAKE, Jr. (September
 26)

MARTIN EMERSON BLAUVELT
 ROBERT HOLMES BRADLEY
 STANLEY BROWN-SERMAN
 DUNCAN HODGE BROWNE
 HENRY LAWRENCE BURNETT, Jr.

NORMAN MONTEFIORE COHEN
 HARLOW DUNHAM CURTIS
 MARSHALL MALLORY DAY
 WINFRED CORNWALL DECKER
 ABRAHAM DEIXEL
 SIDNEY W. DENZER (January 25)

NATHAN NATHAN DICKLER
 WILLIAM JOSEPH DONOVAN
 FREDERICK JOHN ECHEVERRIA
 ALBERT MARION ELSBERG
 GEORGE MARCUS FALION
 ROBERT ANTHONY FERRARI
 MORRIS DOUW FERRIS

FRANK THOMAS FITZGERALD, Jr.
 MICCO MILTIADES ACHILLES FONTRIER

JOSEPH JULIUS FRANK
 JAMES PACKARD GILLESPIE
 EDWARD GOLDWATER
 EDWARD HENRY GREEN
 GEORGE RUSSELL HAGEMAN
 WARREN OTIS HAGER

GUY AMSI HAMILTON
 EDWARD LOUIS HANEMANN (October 4)
 HAROLD HARPER

MEYER S. HARRISON
 HAROLD WILLIAM HASTINGS
 JAMES PUTNAM HEATON
 JOHN ROBBINS HIGBIE
 RALPH HUSTACE HUBBARD

THOMAS LESTER HURLEY (September 22)
 ARTHUR LEFFERTS HUTTON (January 10)
 MAURICE HYMAN

IRVING SAMUEL JOSEPHS
 BENJAMIN MARK KAYE
 WILLIAM KLABER
 GORDON SAUL PHILIP KLEEBOERG
 FREDERICK EDWARD KLEIN
 EDGAR RAYMOND KRAETZER

ROBERT LE ROY
 BENJAMIN MORRIS LEVY
 ROBERT CARPENTER LEWIS
 JULIUS ARTHUR LEWISOHN
 RUDOLPH RUBINO LOENING (September
 23)

MONTE LONDON
 CURTIS LUBLIN
 DAVID ANDREW MCKENZIE
 JOHN SAMUEL MAEDER
 GEORGE ZERDIN MEDALIE
 WILLIAM STUART MESSER
 ELMER CRAVER MILLER

HARRY RICH MOONEY
 CHARLES FRANCIS MORRALL
 DUDLEY HENRY MORRIS
 WALTER WESLEY MOTT

WILLIAM NEWELL
 CLARENCE NICHOLS
 FLOYD CLARKE NOBLE
 LEONARD FLAGGE OTTEN
 WILLIAM F. J. PIEL
 R. STUYVESANT PIERREPONT
 DAVID LOUIS PODELL
 EDWIN GEORGE RAMSDELL
 RONALD FRANK RIBLET

THEODORE GARDNER ROBINSON (October
 29)

HARRY JAMES ROSENSON
 WALTER LOUIS ROTHSCHILD
 ALBERT HARRINGTON ST. GEORGE
 EDWARD SAPIR (October 3)
 LEON GAMBETTA SAUNDERS
 CHARLES EMIL JOSEPH SCHLACHTER
 HARRY SCHWED
 JOHN COTES SEYMOUR, Jr.
 WILLIAM BLACKALL SIMONDS, Jr.

STEWART SLOSSON
 LESLIE BREWSTER SMITH
 EDWARD LEE TEALE
 HAROLD LIVINGSTON REED THOMAS
 JACOB THOMPSON, Jr.
 EDWARD DAY THURSTON, Jr.
 JOSEPH TOLINS
 GRENELLE BERTRAM TOMPKINS
 STILLMAN DANA TOWNSEND
 HUGH PETERS TREAT
 JOHN DASH VAN BUREN, Jr.
 NORMAN WYCKOFF VAN NOSTRAND
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LOUIS BEACH VREELAND
 J. LAURENCE WALDRON
 HAROLD WORTHINGTON WEBB
 JESSE WEIL
 ERNEST STAGG WHITIN (January 30)
 ARTHUR LIVINGSTON WILLIS
 OSCAR B. WIRÉN
 CHALMERS WOOD, JR.
 ERNEST HUNTER WRIGHT
 GUSTAVUS ADOLPHUS YOUNGER
 GEORGE VREELAND ZEIGER
 JACOB ZEITLIN (October 12)

BARNARD COLLEGE

HELEN BEATRICE ANDERSON
 ELIZABETH WADDINGTON BASSETT
 FLORENCE EVELYN BEERS
 GEORGINA GRACE BENNETT
 FLORENCE IRENE BIGGIN
 ELIZABETH STANFORD SAYRE BOORMAN
 ANNA MARIE BOSS
 LUELLA LILLIAN BOVARD
 ANN ELIZA BROWN
 ELIZABETH BUCKINGHAM
 ELIZABETH BEARDSLEY BUTLER
 MARGARET CECILIA BYRNE
 EMMA SHAW CALHOUN
 MARY EDWARDS CALHOUN
 LULU JANE CARPENTER
 GERTRUDE LOUISE CATHCART
 HELEN NESSA COHEN
 GRACE MORRELLE CONOVER
 HELEN WILKING COOLEY
 ELIZABETH SOONERTON DAY
 HARRIET DAY
 EDITH AUGUSTA DIETZ
 MARGUERITE KAUGHRAN DONNELLY
 CECIL INSLEE DORRIAN
 ALICE OLIN DRAPER
 AGNES LACY DURANT
 MILDRED BLANCHE FARMER
 GRACE MARIE FARRELLY
 EDITH BERRELL FETTRETCH
 ANNIE FULLER FISHER
 SALLIE FAULKNER FLETCHER
 ANITA GRACE FORMAN
 MARION FRANKLIN
 MARY GOULD GRAY
 ANNE DUNKIN GREENE
 EDITH BERKELEY HANDY
 MARY HARRIMAN
 ALYNE BENDIT HEIDENHEIMER
 ETHEL HENDRICKS
 AMELIA LEAVITT HILL
 HELEN HOCHHEIMER
 MARGIE ETHEL HOFFMAN

SARAH FENTON HOYT
 EMILIE JOSEPHINE HUTCHINSON
 MARIE LOUISE JOHNSTON
 CARRIE KAPLAN
 ANNA JOSEPHINE KENNEDY
 MARY DAY LEE
 ABBY PORTER LELAND
 FANNIBELLE LELAND
 EDWINA LEAH LEVY
 MARY LOCK
 FREDERICKA LOEW
 PAMELA WARREN LYALL
 LAURA ELIZABETH MATHews
 FLORENCE ALMA MEYER
 ISABELLE MOTT
 ELEANORA LOUISE MUNROE
 LILY SYLVESTER MURRAY
 FLORENCE ISABELLE NYE
 HELEN LETITIA PALLISER
 FRANCES HOPE PURDON
 RUTH ANGELINE REEDER
 ANNA CAMPBELL REILEY
 BLANCHE HORTENSE REITLINGER
 NINA SCHULTZ
 BESSIE TRIMBLE SCOTT
 IZORA SCOTT
 MARGARET GRACE SERCOMB
 ALICE VAN WOERT SMITH
 MARGUERITE SMITH
 ARRIETTA SNYDER
 CHARLOTTE LOUISE SOLOMON
 LYDIA HOLT SPARKMAN
 HILDA LOUISE STABER
 ABIGAIL ADAMS TALBOT
 ANNA SARAH TATTERSHALL
 MARTHA THOMPSON
 ANNA FRANCES MURIEL THORP
 ETHEL AGNES WATSON
 EDITH WELLE
 HARRIET LESLIE WILCOX
 MABEL PAULINE WOLFF

Bachelor of Laws

- GARDNER ABBOTT, A.B.
 BENJAMIN ABRAHAM, A.B.
 WILLIAM HERBERT ADAMS, A.B., A.M.
 ALBERT ALONZO AGENBROAD, A.B., A.M.
 WILLIAM FITCH ALLEN, A.B.
 HALCOTT ANDERSON, A.B.
 DAVID ASCH, A.B.
 MILTON JACOB BACH, B.S.
 JOHN JAMES BAKERMAN, A.B.
 MILTON BALLEMBERG
 RANDOLPH COE BARRETT, A.B.
 KAHL CLEMENT BATES
 WILLIAM ROBERT BAYES, A.B.
 PHELAN BEALE, LL.B.
 EARLE LYNWOOD BEATTY, A.B., A.M.
 SYDNEY BERNHEIM
 ALLAN BEACH ARNOLD BRADLEY, A.B.
 EDWIN WALTER BROUSE, A.B.
 ERNEST GUNTON BUDINGTON, A.B.
 JOSEPH STETTENHEIM BÜHLER, A.B.
 JARVIS POMEROY CARTER, A.B.
 FRANKLIN MORTIMER CLARK, A.B.
 ARTHUR JOSEPH COHEN, A.B.
 HOMER LUSK COLLYER, A.B., A.M.
 EDWARD VINSON CONWELL
 HARRY GABRIEL COWEN, A.B.
 WILLIAM KAY CRAWFORD, B.L.
 WILLIAM STICKNEY CREEVEY, A.B.
 WILBUR LOVE CUMMINGS, A.B.
 ARTHUR LOUIS DAVIS
 EDWARD LEROY DAVIS
 FRED MILO DEWEESE, A.B.
 EDGAR NORMAN DOLLIN
 WILLIAM COMSTOCK DUELL
 FREDERIC GIBBONS DUNHAM, A.B.
 KNOWLTON DURHAM, A.B., A.M.
 HAROLD PERRY DWORSKY, A.B.
 EDWARD VINCENT FARLEY, A.B.
 JAMES EMMET FINEGAN, Ph.B., A.M.
 CHARLES ALEXANDER FINNEY
 FRANK HALSEY FOSS, A.B.
 LEONHARD FELIX FULD, A.B., A.M.
 ROBERT SHAEFFER GAST, A.B.
 ALBERT COOLEY GILLETTE, Ph.B., A.M.
 PHILIP GOLDFARB
 OLIVER LOUIS GOLDSMITH
 ADOLPH EUGENE GUTSELL, B.S., A.M.
 HERBERT JOSEPH HAAS, A.B.
 MAX HARDMAN
 RICHARD COMPTON HARRISON, A.B.
 ARTHUR GARFIELD HAYS, A.B.
 HAROLD H. HERCHÉ
 HENRY KOCH HEYMAN, A.B., A.M.
 MILTON HOFFMAN, A.B.
 RAMSAY HOGUET, E.E.
 HENRY WRIGHT HOWES
 HENRY CHRISTIAN INTEMAN, B.S.
 ADOLPH JARMULOWSKY
 CHARLES KAUFMANN, A.B.
 SIDNEY WALTER KAUFMANN
 HARRY WILLIAMSON KOUWENHOVEN
 CHARLES JAMES LANE, B.S.
 CLAY LAWRENCE, B.S., A.M.
 MILES WALKER LEWIS, A.B.
 ARNOLD LICHTIG
 CHARLES EDWARD LOEW, B. ès Let. et Sci.
 ETHELBERT IDE LOW, A.B.
 RAYMOND JOSEPH MCPHEE
 CHARLES DUNCAN MILLER, A.B.
 JOHN MERRICK MOORE, LL.B.
 JAMES GARFIELD MOSES, A.B.
 GEORGE ALBERT NAGLE
 FRANK WATKINS NEARY, A.B.
 ASHTON PARKER
 HOWARD WEIDNER PIERCE, A.B.
 STUART CAROTHERS PILCHER
 EMILE PINCUS, B.S.
 EDGAR DUDENSING PITTSKE, A.B.
 JOSEPH MOSES PRENSKY
 WILLIAM HENRY PRITCHARD, A.B.
 DAVID MILTON PROCTOR, A.B.
 HENRY SUYDAM REYNOLDS, A.B.
 SAUL EDWIN ROGERS, B. S.
 HOWARD MEAD ROWE
 THEODORE RAYMOND ST. JOHN, A.B.
 EDWARD MICHAEL SALLEY
 ORVILLE CARFIELD SANBORN, A.B.
 JACOB S. SCHEY, Ph.B., A.M.
 LEWIS SCHULDENFREI
 EDWARD SCHUSTER, A.B.
 ROBERT SCHWAB
 RALPH JACOB SCHWARZ, A.B., A.M.
 HARRY ACKERMAN SHUART, Ph.B.
 FRANK HEUSTIS SINCERBEAUX, A.B.
 MILTON MARCUS SITTENFIELD
 HERBERT WILLIAM SMITH, A.B.
 JOSEPH WHITTLESEY SPENCER, A.B.
 PORTER STEELE, A.B.
 MAURICE STEINER, A.B.
 FRANCIS JOSEPH ALOYSIUS SULLIVAN,
 A.B., A.M.
 MORTIMER ALOYSIUS SULLIVAN
 SAMUEL ABRAHAM TELSEY, A.B.
 LOUIS JOHN TE POEL, A.B.
 EMANUEL TEPPER
 RICHARD BARBER TILLINGHAST, A.B.
 WARD VANDERHOOF TOLBERT, A.B.
 ERNEST WILLIAM TYLER
 WILLIAM ANDREAS WAGNER
 AARON STOCKHOLM BALDWIN WALKER
 SAMUEL WILLIAM WALLACH
 NIEL ALEXANDER WEATHERS, B.S.
 JOSEPH ZACHARAY WECHSLER, B.S.
 SAMUEL WEINSTEIN

PAUL R. WELCH
WARNER WELSEY WESTERVELT, Jr.
JOHN PARKER WISE, Ph.B.

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ALFRED JULIUS WOLFF
JACOB WOLFF, Ph.B.
MOSES JAMES WRIGHT, A.B.

Doctor of Medicine

VICTORIANO DIEGO AGOSTINI, A.B.
CHARLES LAWRENCE ALLERS
EDGAR BOND ARMSTRONG
HUGH AUCHINCLOSS, A.B.
JULIUS AUERBACH
PERCEVAL MARTIN BARKER
FREDERICK JAMES BARRETT
FREDERIC HUNTINGTON BARTLETT, A.B.,
A.M.
CLARENCE WHITTEMORE BARTOW, A.B.
HANS GEORGE BAUMGARD, B.S.
JOHN ALBERT BENNETT
LUIS PHILLANDUS BERNSTEIN, B.S.
ROSS ELLIOT BLACK
BENJAMIN JOSEPH BOCKSHITZKY
ELLIS BONIME
HENRY ARTHUR BONYNGE
JOHN FRANCIS BOURKE
CARLISLE STORM BOYD
WILLIAM BALLANTINE BOYD, B.S.
JOHN STANISLAUS BRADY, A.B.
JACOB BRAUN
ROBERT MERIDA BROWN, A.B.
PHILIP EDWIN BRUNDAGE, A.B.
HENRY FREDERICK BRUNING
MASON DAVID BRYANT
LOUIS BUCANS
AIMS READING CHAMBERLAIN, A.B.
JOHN SWOPE DAVIS CHAMBERS
JOHN HENRY CHILDS
LOUIS VINCENT CLARKE
HERMAN COHEN
LOUIS COHEN
EDWARD MARTIN COLIE, Jr., A.B.
DAVID CORCORAN
ROBERT CORDER, Ph.G.
GEORGE FRANKLIN COTTLE, B.S.
EUGENE JOHN CRONIN
CHARLES THOMAS DAVID
CHARLES CAMPBELL DEKLYN
DAVID DEROW
FRANCIS McLEAN DICKINSON, Ph.B.
SAMUEL WARD DODD, B.S.
GEORGE CORNELIUS DRISCOLL
KIRBY DWIGHT, A.B.
GEORGE BACHE EMORY, A.B.
PIERO FIASCHI, D.D.S.
EDWARD FRANKEL, Jr.
HENRY MENDEL FRIEDMAN
SIMON FRUCHT, B.S.
EDWARD ALFRED FRUCHTHANDLER
JOHN DARBY GASKINS

JOHN CARL ARPARD GESTER, A.B.
EDWARD LYON GINSBURGH
SAMUEL JESSE GOLDFARB
HENRY FLACK GRAHAM
JULES VICTOR HABERMAN, A.B.
ORVILLE REED HAGEN
GABRIEL HAMBURGER, A.B.
CHARLES JOHN HARBECK, A.B.
ANTHONY HART HARRIGAN
LOUIS ISRAEL HARRIS
FRANCIS BERNARD HART
MOSES HARWICH
PLINY HAROLD HAYES, A.B.
HAROLD MELVIN HAYS, A.B.
WALTER JAMES HEIMANN, A.B.
JOSEPH HEINE
ALFRED M. HELLMAN, A.B.
ALEXANDER HITLIN
HARRY STEERS HOLLAND, A.B.
CHARLES SPALDING HUNT
ALLEN CARRINGTON HUTCHESON, A.B.
ROBERT HAMILTON HUTCHINSON, Jr.
ARTHUR LEFFERTS HUTTON, A.B.
JOSEPH ANDREW HYAMS
ABRAHAM HYMAN
HENRY ISKOWITZ
VIRGIL STROTHER ISON (October 17)
ALBERT F. JACKSON
ABRAHAM EZRA JAFFIN
JAMES WALKER JAMESON, A.B.
MARIUS EARLY JOHNSTON, B.S., M.S.
EDWARD RAPHAEL JOYCE, A.B.
LOUIS GABRIEL KAEMPFFER, B.S.
DAVID JOHN KALISKI
SAMUEL HENRY KANNER
JOSEPH BERNARD KANTER
JULIUS KAUNITZ
JACOB ADLAI KELLER
SIDNEY CLARENCE KELLER
HARRY AUGUST KEUNE
JAMES JESSAI KOFF
BERNARD KOHN
CHARLES KRUMWIEDE, Jr., A.B.
CONRAD FREDERICK KURPICK, A.B.
MARTIN KUTSCHER
JEFFERSON BROWN LATTI
CHARLES THOMAS LESLIE, B.S.
HARRY LAZAROUS LEVANT
CHARLES LEVIN
HARRY LEVY, A.B.
MURNEY EDWARD LEWIS
GORDON LINDSAY, Ph.G., B.S.

JACOB MAXIMILIAN LIPSCHUTZ
 THOMAS CRESAP MCCOY
 JAMES HARRY MCCROSKERY
 JOSEPH ZIMMERMAN McDERMOTT
 J. CORWIN MABEY
 CLIFFORD BURNETT MacINTYRE, A.B.
 ALBERT CARLYLE MARGULIES
 NATHAN BARNERT MARTIN
 HARRISON STANFORD MARTLAND, A.B.
 MARTIN STOETZEL MEINZER, B.S.
 LESTER FOYE MELONEY
 GEORGE ADAMS MERRILL, A.B.
 HARRY AHREND MEYER
 JULIUS LAURANCE MOGULESKO
 WALTER BARCLAY MOUNT, A.B.
 WILLIAM NARINS
 FRANK YEOMANS NEER
 JOHN FRANCIS NELSON
 JACOB NEMOITIN
 HAROLD NEUHOF
 LOUIS NEUWELT, A.B.
 REUBEN NEWMAN
 MAX NISSELSON
 ALFRED HENRY NOEHREN, A.B.
 VINCENT JAMES ORLANDO
 REUBEN OTTENBERG, A.B.
 EDWARDS A. PARK, A.B.
 LEO AMBROSE PARKER, A.B., A.M.
 ROBERT WALTER PETTIT, A.B., A.M.
 MARTIN THOMAS POWERS
 OTTO RUDOLF POZDĚNA
 RALPH NEWBURY PRENTISS, M.D.
 CHARLES IRVILLE PRESCOTT, B.L.
 P. CLINTON PUMYEA, B.S.
 CHARLES MICHAEL QUINN
 BENJAMIN RADGIK, B.S.
 HENRY ERNEST RICKETTS
 SALVATORE CRISENZA ROMANO
 ABRAHAM ROSENBERG
 CHARLES ROSENHECK
 HENRY ROSENSTEIN

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ISIDOR RUBIN
 RALPH RYAN, A.B.
 SYLVESTER EDWARD RYAN
 WARREN WALLACE ST. JOHN
 GEORGE SANDERS, LL.M.
 ANTONIO JOSEPH SARTORI (October 17)
 EUGENE PAUL SCHAEFER
 JOSEPH SCHAPIRO, B.S.
 MAX SCHAYER
 MAXIMILIAN SCHULMAN
 MYER EASER SCHWARTZ, Ph.G.
 HARRY MOSES SEROTA
 NORMAN STRAHAN SHENSTONE, A.B.
 GEORGE MILTON SMITH, A.B.
 JOSEPH JACOB SMITH
 MALCOLM EADIE SMITH
 STAFFORD BAKER SMITH
 WILLIAM SIDNEY SMITH
 GEORGE ARTHUR SODEN
 FRANK DEMING SOLLEY
 ISAAC PHILIP STARR
 HARRY HARRINGTON STEVENS, Ph.G.
 MILNE BARKER SWIFT
 WALTER RAYMOND TERRY, A.B.
 WILLIAM JAMES TIFFANY
 RAYNHAM TOWNSHEND, Ph.B.
 LOUIS TULIPAN
 JULIUS JOHN VALENTINE
 JOHN VEVE, A.B.
 PEDRO VILLODO
 MAX VOLK
 IRVING WILSON VOORHEES, B.S.
 LEOPOLD LEO WERTHEIM
 DAVENPORT WHITE, Ph.B.
 JOHN ROBERT WILSON
 JACOB WISANSKY, B.S.
 JACOB IRVING WOLF, B.S.
 HAROLD WALGROVE WRIGHT
 HARRY JACOB YORK, B.S. (October 17)
 AVRUM HERMAN ZEILER
 MAX ZIGLER

Engineer of Mines

GLENN ANDERSON
 GEORGE OATES ARGALL
 WILLIAM SAGE BALDWIN (July 28)
 AUGUST JOSEPH BAUERNEBL, Jr.
 EDWIN STEWART BERRY
 DONALD T. BOARDMAN
 HENRY THORNTON BOWLES, A.B. (September 12)
 THOMAS RECTOR BUELL
 ALBERT ROY CAMP (November 29)
 JOHN WALZ CATRON (April 3)
 FRANCIS MORTON CLARK, Mech.E. (March 20)
 FRANCIS WINFIELD COLLINS

FREDERICK STEPHEN COOK
 CLARENCE TINE DANTZIGER
 CARL HENRY DECKER, A.B. (April 20)
 PERCY WILLIAM DONOVAN
 HAROLD PENNOCK DYER
 RICHARD HERMANN ERNEST
 THOMAS EUSTACE FISHER
 FRANCIS SEELEY FOOTE, Jr. (February 28)
 CHARLES LEWIS FRAMBACH
 ARTHUR WILLIAM GEIGER
 MARCUS ISAAC GOLDMAN, A.B., B.S.
 CLYDE TYLER GRISWOLD, A.B.
 AUGUST FRANK HAHNEL

RICHARD M. JONES, A.B.(February 18)
 MAX KRAUT
 RALPH NORRIS MARBLE, Jr.
 RALPH MARTIN
 HARRY LEVI MEAD
 GEORGE MILTENBERGER, Jr.
 CARL N. NELSON
 GILBERT LEE NICOLL (May 12)
 HAROLD PAYSON
 PAUL JEROME PITNER
 JESSE COMBS PORTER
 FREDERICK JAMES POWELL

[48]

AMBROSE ELY RING
 ROBERT BENSON ROGERS
 OTTO DIEDRICH ROHLFS
 SIDNEY ROLLE
 ARTHUR CLEVELAND SCOTT
 HERBERT LUPLIN SILVERMAN
 ALWYN CHARLES SMITH, B.S., M.S.
 ANDREW WALZ
 OSCAR MAURRICE WEICHSEL, B.S.
 BLEECKER LANGDON WHEELER
 WILLIAM ABBOTT EDWARD WOODS

Civil Engineer

FREDERICK BAYARD BARSHELL, B.S.
 SAMUEL BEHRMAN
 WILLIAM ADOLF BODE
 MILTON LONGACRE CORNELL
 FRANCIS STIRLING CROWELL
 WILLIAM HEYMAN
 FREDERIC LEAROYD HUMPHREY
 ROBERT JAMES LUCAS
 ALFRED SIDNEY MALCOMSON
 CHARLES EARL MATTHEWS

[17]

LUIS MORALES (September 12)
 SAMUEL ALEXANDER SCHWARZ, A.B.
 GEORGE SCHWEGLER
 HAROLD SHIELDS, A.B.
 ALEXANDER SAUL SOLOW, B.S. (September 7)
 CHARLES ALBERT AUGUSTINE STEEG-MULLER
 CONRAD TRUBENBACH, B.S.

Electrical Engineer

WILLIAMSON BOURDETTE BOWIE
 WALTER EDWARD FOSKETT BRADLEY
 ARTHUR BLEYER
 HENRY CHARLES HAAS
 EDWARD JOSEPH HAINES
 LOUIS HENRY HAIGHT (October 18)
 GEORGE WERNER HOCHSPRUNG (September 30)
 GEORGE HEBERTON HOOPER, Jr.
 SAMUEL O. JACOBSON, B.S. (March 14)
 LOUIS FRANK KOHLER

[19]

HAROLD PAYSON
 WALTER LIDGERWOOD SMILLIE PIERCE
 LEO LAWRENCE POLLAK, B.S.
 THOMAS WALTER ROCHESTER
 CHARLES HALL STOUTENBURGH
 WILLIAM HERON TRIPPE
 FREDERICK ELLIS WARD
 GERARD BERNARD WERNER, A.B.
 ADOLPH ISAAC MAN WINETRAUB, B.L., B.S.

Metallurgical Engineer

REMSEN TAYLOR WILLIAMS

[1]

Mechanical Engineer

STANFIELD NICHOLS ARNOLD
 EUGENE ASHLEY
 THOMAS HAMILTON BURCH, Jr.
 WILLIAM HENRY CONNELL, Jr.
 FREDERICK WILLIAM HOLLMANN
 JOHN BLAKE KELLOGG, Ph.D.

[12]

MALCOLM MCINTYRE (June 16)
 THEODORE MEAD, Jr. (January 19)
 MELACH I. NUSIM
 ROBERT MARQUIS STRONG
 WILLIAM EDWARD STRUSS
 RAPHAEL JOHN RUFO TERRY (October 4)

Bachelor of Science

(Course in Chemistry)

HENRY SAFFORD DOTY

ALBERT WILLIAM HAHN

ARTHUR JULIUS METTLER

[3]

Bachelor of Science

(Course in Architecture)

WILLIAM HAROLD BUTTERFIELD

ANGUS SNEAD MACDONALD, A.B.

EDWARD CLARENCE DEAN, Ph.B. (January 11)

WILLIAM ROBERT POWELL (March 3)
FITZHUGH SCOTT

[5]

Bachelor of Science

(Course in Education)

SAMUEL PHILIP ABELow

KATHERINE ANNA KUNZ

EDITH SHERWIN ADAMS

LILLIE MARIA LAWRENCE

ANNA BESSIE ALLEN

JOSEPH LIPKE

EDITH DELANCEY ALLEN

LAURA ELOISE McDOWELL

AMY FIELDS AREY, Ph.B.

ELIZABETH McEvoy

LOUIS JULES ARMAND

MARY WILSON MCGAHEY, A.B.

LEWIS BIRCH BATTEY

ALEXANDRA MACINNES

ANNE TOWNSEND BRIDGMAN

MARGARET ELLIOT MCKAY

THOMAS JAMES BROWNE

EMILY LYDIA MAEDER

HERMAN BUCHER

CHARLES MARTEN

MARION EMMA CHURCH

WILLIAM SAMUEL MARTEN

DELLA LOUISE CONGER

HELEN PATTERSON MARTIN, A.B.

MARY EMMA CONNER

IDA E. MATHER

MARY AGNES COTTER

JANE MATHEWS

RICHARD McLEOD CRAWFORD

CHESTER ARTHUR MATHEWSON

FRANCES ISABEL DAVENPORT

CHARLES ROBERT MAXWELL

SARAH ELIZA DEAN

EDNA M. MOORE

MARY ELLEN DOLPHIN

GRACE OWEN

CLAYTON GEORGE DUFFEE

FRANK ALVAH PARSONS

ELSIE ERDWURM

EDITH CHESTER PELTON

SUSAN IDA EVANS

ROBERT HUNTINGTON PROCTOR

ELlice HEATON FITCH, A.B.

FLORENCE SAEGER RICHARDS

JAMES RUSSELL FORDEN

HELEN CHRISTINE MILDRED ROTH, A.B.

NATALIE STERNBERG FORREST

CHARLES C. RUBENS

LORENA M. FROST

IDA SCHWABE

CLARA MARIA GILBERT

ELIZABETH KIMBER SEWARD

CORDELIA VIRGINIA GLANTON

NORA TAYLOR SKINNER

LOUISE PHILLIPS GLANTON

ELIZABETH BECKWITH SOWLES

WILLYSTINE GOODSSELL

FLORA STUART

NONA GOULD

ELIZABETH TOLMAN SUMNER

MARIA DANIEL GRAHAM

EARL GARFIELD TAPLIN

EMMA COLLIER GRANT, II

BESSIE RHETON TAYLOR

JAMES MARTIN GRAVES

GRACE CATHERINE TELFORD

SHIRLEY EUGENE GRAY

MAY BELLE VAN ARSDALE

FANNY JOSEPHINE HAEFELIN

MARY ADELAIDE WALKER

ANNA CHARLOTTE HEDGES

MARY THEODORA WHITLEY

CLARA MELITA HETSCHEL

MAUD WHITLOCK

FRANCES HENRIETTA HIBBARD

NORA BELLE WHITNEY

ELLA HUNTING

HENRIETTA BRISCOE WINGFIELD

ADA GERTRUDE WOODS

[79]

Doctor's Diploma in Education

- CHARLES JOSEPHUS C. BENNETT
A.B., University of Nashville, 1889;
A.M., Leland Stanford Junior University, 1896.
- ELLWOOD PATTERSON CUBBERLEY
A.B., Indiana University, 1891;
A.M., Columbia University, 1902.
- WALTER FENNO DEARBORN
A.B., Wesleyan University, 1900;
A.M., 1903.
- EDWARD CHARLES ELLIOTT
B.S., University of Nebraska, 1895;
A.M., 1897.
- [7]
- GEORGE DRAYTON STRAYER
A.B., Johns Hopkins University, 1903.
- ANTHONY HENRY SUZZALLO
A.B., Leland Stanford Junior University, 1899; A.M., Columbia University, 1902.
- FLETCHER HARPER SWIFT
A.B., Dartmouth College, 1898;
A.M., Columbia University, 1904.

Master's Diploma in Education

- ANNE MARGARET COUCH
A.B., Woman's College of Baltimore, 1904.
- GEORGE WILLIAM DORLAND
B.S., College of the City of New York, 1897.
- IRWIN WILLIAM DRIEHAUS
B.S., University of Cincinnati, 1900.
- LUELLA HELEN EAKINS
A.B., Woman's College of Baltimore, 1903.
- ANNA LEAH FOX
Ph.B., Brown University, 1904.
- FRANKLIN SHERMAN HOYT
B.S., Boston University, 1893.
- RAYMOND PIMLOTT KAIGHN
Ph.B., Hamline University, 1898.
- JOHN KELLEY
Pd.B., Benton Harbor College, 1897.
- BÛLUS KUZMA KHAULI
A.B., Syrian Protestant College, Beirut, 1897.
- [17]
- JAMES E. LADEN
A.B., Manhattan College, 1904.
- LOUIS MARKS
B.S., College of the City of New York, 1896; Pd.M., New York University, 1903.
- ANTHONY PUGLIESE
A.B., College of the City of New York, 1897.
- EDWARD EVERETT RALL
A.B., University of Iowa, 1900; Ph.D., Yale University, 1903.
- JEANNETTE ROWLAND SEIBERT
A.B., Columbia University, 1902.
- ALVA WALKER STAMPER
B.S., University of California, 1895.
- MARY E. THOMPSON
B.Pd., Michigan State Normal College, 1901.
- EDITH ALICE ZINK
A.B., Mt. Holyoke College, 1904.

Bachelor's Diploma in Education

For teaching in secondary schools

- SAMUEL PHILIP ABELOW (History)
- ANNA BESSIE ALLEN (Mathematics)
- ELIZABETH WADDINGTON BASSETT (German, History)
- FLORENCE LOUISE BEECKMAN, A.B. (History)
- FLORENCE EVELYN BEERS (Latin)
- GEORGINA GRACE BENNETT (English)
- FLORENCE IRENE BIGGIN (Latin)
- ANN ELIZA BROWN (Latin)
- MARGARET CECILIA BYRNE (Mathematics)
- EMMA SHAW CALHOUN (English)
- LULU JANE CARPENTER (Latin)
- GERTRUDE LOUISE CATHCART (German)
- HELEN NESSA COHEN (Mathematics)
- GRACE MORRELLE CONOVER (Mathematics)
- MARY AGNES COTTER (English, History)
- ELIZABETH DAY (History)
- HARRIET E. DAY (English)
- NATHAN NATHAN DICKLER (Mathematics)
- EDITH AUGUSTA DIETZ (English)
- MARY ELLEN DOLPHIN (History)
- AGNES LACY DURANT (Biology)
- CLAYTON GEORGE DUFREE (English)
- CHARLOTTE EGGLESTON, A.B. (Mathematics)

SARAH ELDER, A.B. (English, History)	FLORENCE ISABELLE NYE (History)
GEORGE MARCUS FALON (Greek, Latin, Physical Education)	HELEN LETITIA PALLISER (Biology)
GRACE MARIE FARRELLY (History)	GEORGE WILLIAM PETER (German)
SALLIE FAULKNER FLETCHER (Latin)	MARIE MAPLES PRESTON (History)
ANITA GRACE FORMAN (Mathematics)	ROBERT HUNTINGTON PROCTOR (Physical Science)
MARION FRANKLIN (Mathematics)	RUTH ANGELINE REEDER (English)
CLARA MARIA GILBERT (English)	ANNA CAMPBELL REILEY (Latin)
WILLYSTINE GOODSSELL (English, History)	RONALD FRANK RIBLET (English)
LOUIS GOTTSCHALL, B.S., A.M. (Mathematics)	FLORENCE SAEGER RICHARDS (Latin)
NONA GOULD (Biology, Geography)	HELEN CHRISTINE MILDRED ROTH, A.B. (German)
MARIA DANIEL GRAHAM (Mathematics)	NINA SCHULTZ (Mathematics)
JAMES MARTIN GRAVES (Mathematics)	IDA SCHWABE (German)
MARY GOULD GRAY (Mathematics)	MARGARET GRACE SERCOMB (Mathematics)
SHIRLEY EUGENE GRAY (Physical Science)	ELIZABETH KIMBER SEWARD (Geography)
FANNY JOSEPHINE HAEFFELIN (German)	ALICE VAN WOERT SMITH (Latin)
WARREN OTIS HAGER (Greek)	LESLIE BREWSTER SMITH (Mathematics, Physical Education)
HELEN ALICE HOCHHEIMER (English)	ARRIETTA SNYDER (Mathematics)
MARGIE ETHEL HOFFMAN (English)	CHARLOTTE LOUISE SOLOMON (Latin)
IDA MAY HOPE (Biology)	ELIZABETH BECKWITH SOWLES (History)
ELLA HUNTING (Geography)	LYDIA HOLT SPARKMAN (History)
CARRIE KAPLAN (English)	HILDA LOUISE STABER (English)
ANNA JOSEPHINE KENNEDY (History)	ALBERT HARRINGTON ST. GEORGE (German, History)
BERTHA KING (English)	EARL GARFIELD TAPLIN (Mathematics)
EDGAR RAYMOND KRAETZER (English)	ANNA SARAH TATTERSHALL (Mathematics)
KATHERINE ANNA KUNZ (French)	BESSIE RHETON TAYLOR (Mathematics)
LILLIE MARIA LAWRENCE (Latin)	MILDRED TERRETT, A.B. (Physical Science)
MARY DAY LEE (Physical Science)	MARTHA THOMPSON (Biology)
JOSEPH LIPKE (Mathematics)	ANNA FRANCES MURIEL THORP (English)
FREDERICKA LOEW (German)	MAY BELLE VAN ARSDALE (Physical Science)
ALEXANDRA MACINNES (English, History)	EDITH WELLE (Mathematics)
HELEN PATTERSON MARTIN, A.B. (Latin)	MARY THEODORA WHITLEY (English)
JANE MATHEWS (Mathematics)	NORA BELLE WHITNEY (Mathematics)
CHESTER ARTHUR MATHEWSON (Biology)	HENRIETTE BRISCOE WINGFIELD (English)
CHARLES ROBERT MAXWELL (Mathematics)	CHARLOTTE SPENCER YOUNG, A.B. (Biology)
WILLIAM STUART MESSER (Latin, Mathematics)	
ISABELLE MOTT (English)	
ELEANORA LOUISE MUNROE (English)	

[94]

Elementary Schools

AMY FIELDS AREY, Ph.B.	ELLA HUNTING
CARRIE VIVIAN BARNES	CLARA CHANEY JAMES
MARION EMMA CHURCH	MARY MCGHEE, A.B.
FRANCES ISABEL DAVENPORT	MARY ISABEL McDONALD
SADELLA MARIE DONALSON	LAURA ELOISE McDOWELL
AGNES LACY DURANT	ELIZABETH McEVoy
ELSIE ERDWURM	MARGARET ELLIOTT MCKAY
SUSAN IDA EVANS	EMILY NICHOLAS
FLOE ANNE FARLOW	MARIA ADAMS ROGERS, B.L.
LOUISE PHILLIPS GLANTON	CHARLES C. RUBENS
FRANCES HENRIETTA HIBBARD	FLORA STUART
ESTELLE HINTON	MARY ADELAIDE WALKER

ADA GERTRUDE WOODS

Kindergarten

ANNA ROSE G. BRADY
 DELLA LOUISE CONGER
 ELLICE HEATON FITCH, A.B.
 LORENA M. FROST
 EMMA COLLIER GRANT, II
 [10]

CATHERINE LORETTA MADDOCK
 ALICE MARTIN
 IDA E. MATHER
 EDNA M. MOORE
 LEILA REPPENHAGEN

Domestic Art

LAURA VIRGINIA BABB
 AGNES HOUSTON CRAIG
 FLORENCE AMELIA HILL
 [6]

EVELYN CECILE SMITH
 ANNA MAY STOCKBRIDGE
 EDITH IRENE WEIDMAN

Domestic Science

IDA J. BATDORFF
 CORA E. BINZELL
 MYRA BREWSTER CLARKE, A.B.
 RACHEL HARTSHORN COLWELL, B.S.
 BLANCHE COOPER
 SARAH ELIZA DEAN
 MARY EVANS
 ETTA PROCTOR FLAGG
 NATALIE STERNBERG FORREST
 ANNA MONROE GILCHRIST
 GRACE GREENWOOD

ISABELLA E. JEWELL
 MARION ELIZABETH JONES, B.S., M.S.
 EMILY LYDIA MAEDER
 BERTHA MELVILLE MILLER, Ph.B.
 RUTH MORRISON
 MAE OWEN
 PANSY SARA RAYNOLDS, Ph.B.
 ELIZABETH LINCOLN RUSSELL, B.L.
 NORA TAYLOR SKINNER
 ELIZABETH TOLMAN SUMNER
 GRACE CATHERINE TELFORD

CHARLOTTE M. WAY, B.S., A.B.

[23]

Fine Arts

MARY JUANITA BRISON
 HERMAN BUCHER
 RICHARD MCLEOD CRAWFORD
 ETHEL ALICE GREENE
 CLARA MELITA HETSCHER
 MAUD MAY ISLES
 HANNAH TEMPEST JENKINS
 EDITH ELLEN LYON
 EDNA NEVILLE MURPHY
 [18]

MARGARET OTIS NESBIT
 FRANCES HANNAH OAKLEY
 FRANK ALVAH PARSONS
 CLARA BENNETT STAFFORD
 H. MAY STUBBS
 JESSIE ELMA TAYLOR
 AVIS WATERBURY
 EDITH LAKE WILKINSON
 JOHN KELLOGG WOODRUFF

Manual Training

HERMAN BUCHER
 GEORGE WALKLEY CHENEY
 JAMES RUSSEL FORDEN
 CORDELIA VIRGINIA GLANTON
 HOWARD STODDARD HARRIS
 PHILIP S. HASTY

MARY WILSON MCGAHEY, A.B.
 CHARLES MARTEN
 WILLIAM SAMUEL MARTEN
 WILLIAM DATES MILLER
 HENRY WOOLF
 BENJAMIN COOPER WOOSTER

NORMAN PORTER WORK

[13]

Music

ISABEL RANDOLPH DOUGLAS
 HELEN LATHAM
 LEONORA WALMSLEY SHEIB
 [6]

LINDA MAY SMITH
 MARGARET HUBBELL START
 RUTH M. WALLACE

Pharmaceutical Chemist

GEORGE MARTIN BROEMMEL, B.S., Ph.G. SAMUEL KUTSCHER, Ph.G.
 BENJAMIN NICHOLAS LEVY, Ph.G.
 [3]

Master of Arts

- EDWARD BRADFORD ADAMS
A.B., Yale University, 1901; B.D., 1904.
- JAMES EDWIN ADDICOTT
B.S., Columbia University, 1904 (April 11).
- WILLIAM ANTHONY AERY
A.B., Columbia University, 1904.
- ALBERT ALONZO AGENBROAD
A.B., Oberlin College, 1900.
- ELIZABETH ALLEN
A.B., Columbia University, 1902.
- DAVID ASCH
A.B., Columbia University, 1903.
- FREDERICK WILLIAM BAESLACK
A.B., Amherst College, 1902.
- OLIVER EDWIN BAKER
B.S., Heidelberg University, 1903; M.S., 1904.
- GERTRUDE ELLEN BALLARD
A.B., University of Minnesota, 1903.
- EFFIE MARGARET BANTA
A.B., Wellesley College, 1891.
- CORA LIVINGSTON BARBER
A.B., Adelphi College, 1901.
- NATHANIEL WARING BARNES
A.B., Columbia University, 1903.
- MORRIS BARON
A.B., Harvard University, 1904.
- MARY FRANKLIN BARRETT
B.L., Smith College, 1901.
- RANDOLPH COB BARRETT
A.B., Williams College, 1902.
- FREDERICK BAYARD BARSELL
B.S., College of the City of New York, 1902.
- ALEXANDER BASEL
(Equivalent A.B.), Beth-Hamidrash, Frankfurt a/M., Germany, 1902.
- CHARLES EDWARD WAGSTAFFE BATESON
E.M., Columbia University, 1902.
- FLORENCE LOUISE BEECKMAN
A.B., Columbia University, 1904.
- JAMES STARK BENNETT
B.L., Pomona College, 1903.
- CLINTON HAMLIN BLAKE, Jr.
A.B., Columbia University, 1904.
- HENRY JAMES WHEELER BLISS
A.B., Oxford University, 1904.
- CHARLOTTE RITZEMA BOGERT
A.B., Swarthmore College, 1904.
- EMMA MILLER BOLENIUS
A.B., Bucknell University, 1898; A.M., 1901.
- JOHN FREDERICK BOWER
A.B., Allegheny College, 1898.
- HARRY FRANCIS BREWER
A.B., National Normal University, 1891.
- THOMAS CLACHAR BROWN
A.B., Amherst College, 1904.
- HOWARD EDWIN BRUNER
A.B., Louisiana State University, 1903.
- ERNEST GUNTON BUDINGTON
A.B., Columbia University, 1902.
- DURWARD EARLE BURCHELL
A.B., Columbia University, 1904.
- WILLIAM CAMPBELL
B.S., Royal School of Mines (London) 1898; M.S., Ph.D., Columbia University, 1903.
- THOMAS SAMUEL CARNAHAN
B.S., Missouri School of Mines, 1904.
- MYRA BREWSTER CLARKE
A.B., University of Washington, 1900.
- EMMA AGNES CLINTON
A.B., Indiana University, 1900.
- HELEN LOUISE COHEN
A.B., Columbia University, 1903.
- ELIZABETH AVERY COLTON
B.L., Statesville College, 1889; B.S., Columbia University, 1903.
- RACHEL HARTSHORN COLWELL
B.S., Denison College, 1903.
- HERBERT WHEATON CONGDON
B.S., Columbia University, 1897.
- MELVILLE FULLER COOLBAUGH
B.S., Colorado College, 1902.
- ANNE MARGARET COUCH
A.B., Woman's College of Baltimore, 1904.
- HARRY CRONE
B.S., College of the City of New York, 1902.
- JOHN WHITING CROWELL
A.B., Columbia University, 1903.
- FREDERICK VAN DYKE CRUSER
B.S., Columbia University, 1903.
- PRESTON CUMMING, Jr.
Ph.B., University of North Carolina, 1903.
- CLARA BARTLETT DEAN
A.B., Adelphi College, 1904.
- BENJAMIN FRANKLIN DIXON, Jr.
A.B., Trinity College, 1903.
- THOMAS JAMES DONOHUE
B.S., College of the City of New York, 1897.
- GEORGE WILLIAM DORLAND
B.S., College of the City of New York, 1897.

- KATHARINE SWIFT DOTY
A.B., Columbia University, 1904.
- ARTHUR WAYLAND DOX
B.S., University of Pennsylvania, 1904.
- IRWIN WILLIAM DRIEHAUS
B.S., University of Cincinnati, 1900.
- CARSON SAMUEL DUNCAN
A.B., Wabash College, 1901; A.M., 1902.
- FREDERIC GIBBONS DUNHAM
A.B., Cornell University, 1902.
- JOSEPH ALOYSIUS DUNNEY
A.B., Manhattan College, 1901.
- ANNIE LOMBARD DYAR
B.L., Northwestern University, 1901.
- LUELLA HELEN EAKINS
A.B., Woman's College of Baltimore, 1903.
- ARTHUR FREDERICK EGNER
A.B., Columbia University, 1903.
- SARAH ELDER
A.B., University of Chicago, 1900.
- HELEN ERSKINE
A.B., Columbia University, 1904.
- BRUNO FEDTER
A.B., College of the City of New York, 1903.
- ANNA ALMIRA FISHER
A.B., Antioch College, 1889; A.M., 1890.
- ANNA LEAH FOX
Ph.B., Brown University, 1904.
- FRED GATES FOX
A.B., University of Illinois, 1898; A.M., 1903.
- LOUISE STETSON FULLER
A.B., Smith College, 1904.
- EVEOLINE GANO
A.B., Kansas State University, 1904.
- HERBERT WILLIAM GARTRELL
A.B., University of Adelaide, 1902; B.S., 1902.
- SINAI GERSCHANEK
A.B., College of the City of New York, 1902.
- ISRAEL EDWIN GOLDWASSER
B.S., College of the City of New York, 1897; M.S., 1900.
- CLARENCE EVERETT GORDON
B.S., Massachusetts Agricultural College, 1901; B.S., Boston University, 1903.
- JACOB GREENBERG
A.B., College of the City of New York, 1904.
- WILLIAM KING GREGORY
A.B., Columbia University, 1900.
- BENJAMIN CHARLES GRUENBERG
B.S., University of Minnesota, 1896. (October 18).
- ELSIE HAMMOND
A.B., Mt. Holyoke College, 1902.
- RICHARD COMPTON HARRISON
A.B., Columbia University, 1903.
- CHRIS ANDREW HARTNAGEL
B.S., Union College, 1898; Pd.B., State Normal College, 1900.
- JULIANA HASKELL (Mrs.)
A.B., Columbia University, 1904.
- CARLTON HUNTLEY HAYES
A.B., Columbia University, 1904.
- ARTHUR GARFIELD HAYS
A.B., Columbia University, 1902.
- HAROLD MELVIN HAYS
A.B., Columbia University, 1902.
- JOHN WALTER HECKERT
Ph.B., Hamline University, 1900.
- CHARLES LE ROY HENDRICKSON
A.B., Columbia University, 1903.
- LEROY BEDFORD HERBERT
A.B., College of the City of New York, 1898. (February 14).
- ELSIE GOLDINA HERZFELD
A.B., Columbia University, 1903.
- ALICE HIGGINS
A.B., Adelphi College, 1902.
- HERMANN HILMER
A.B., University of Michigan, 1904.
- CECIL SHEPARD HINES
B.S., Denison University, 1902.
- RAMSAY HOGUET
E.E., Columbia University, 1903.
- ALTA MAE HOUSEL
A.B., Kansas Wesleyan College, 1900; Pd.B., Kansas Wesleyan Normal School, 1900. (October 18).
- GUY CLEMENS HOWARD
B.S., University of Nebraska, 1900.
- RUTH BOUTON HOWE
A.B., Columbia University, 1903.
- FRANKLIN SHERMAN HOYT
B.S., Boston University, 1893.
- MAUD ALINE HUTTMAN
B.S., Columbia University, 1904.
- EDWARD ANDREWS INGRAHAM
A.B., Wesleyan University, 1902.
- OLIN INGRAHAM
Ph.B., Wesleyan University, 1904.
- LEO JACOBS
A.B., College of the City of New York, 1900.
- WALTER ABRAHAM JACOBS
A.B., Columbia University, 1904.
- MEYER JACOBSTEIN
A.B., Columbia University, 1904.

- CHARLES BARING JAMESON
A.B., College of the City of New York, 1896.
- MARGARET SCOTT JARVIE
A.B., Cornell University, 1902.
- THOMAS CARLYLE JONES
B.S., University of Pennsylvania, 1903.
- SAMUEL LUCAS JOSHI
A.B., Madras University, 1896.
- RAYMOND PIMLOTT KAIGHN
Ph.B., Hamline University, 1898.
- JOHN KELLEY
Pd.B., Benton Harbor College, 1897.
- BÔLUS KUZMA KHAULI
A.B., Syrian Protestant College, Beirut, 1897.
- EDWIN PATRICK KILROE
A.B., Columbia University, 1904.
- GRANT KNAUFF
A.B., Columbia University, 1904.
- LUCILE KOHN
A.B., Columbia University, 1903.
- WILLIAM ADOLPH KOTTMAN
B.S., College of the City of New York, 1886; Columbia University, LL.B., 1889; Pd.M., New York University, 1902.
- JAMES EDWARD LADEN
A.B., Manhattan College, 1904.
- CHARLES JAMES LANE
B.S., College of the City of New York, 1901.
- MARION ELIZABETH LATHAM
A.B., Columbia University, 1903.
- SUSAN ADELE LATHROP
A.B., University of Nebraska, 1904.
- ALFRED STRATTON LAWRENCE
A.B., Columbia University, 1902.
- LOUIS ROSSELL LAWYER
B.S., College of the City of New York, 1896.
- MACON ANDERSON LEIPER
A.B., University of Nashville, 1901.
- EDWARD BENJAMIN LEVY
A.B., College of the City of New York, 1904.
- CHARLES RAMSDELL LINGLEY
B.S., Worcester Polytechnic Institute, 1900.
- RUDOLPH RUBINO LOENING
A.B., Columbia University, 1904.
- HENRY WILLIAM LOHMAN
B.S., Missouri School of Mines, 1904.
- ALEXANDER LYONS
B.L., McMicken University, 1891.
- HOWARD LEE MCBAIN
A.B., Richmond College, 1900; A.M., 1901.
- JOHN JOSEPH MCBRIDE
A.B., Manhattan College, 1901.
- ANNE BUSH MACLEAR
B.S., Columbia University, 1901.
- THEODORE JAMES WILLIAM MALMBERRY
A.B., Columbia University, 1904.
- LOUIS MARKS
B.S., College of the City of New York, 1896; Pd.M., New York University, 1903. (April 11).
- MELVIN ALBERT MARTIN
A.B., Richmond College, 1898.
- ARTHUR RAY MAXSON
A.B., Rollins College, 1900.
- ALBERT WORTHINGTON MEISEL
A.B., Brooklyn Polytechnic Institute, 1902.
- WALDEMAR ERIC METZENTHIN
A.B., Franklin and Marshall College, 1899.
- ARNOLD WILLIAM MEYER
A.B., Iowa College, 1899.
- PHILIP MOELLER
A.B., Columbia University, 1904.
- ALPHEUS WILBERFORCE MOON
A.B., Indiana University, 1895.
- JUSTIN HARTLEY MOORE
A.B., College of the City of New York, 1903. (October 18).
- STEPHEN HALCUT MOORE
A.B., Vanderbilt University, 1894.
- CHARLOTTE ELIZABETH MORGAN
A.B., Columbia University, 1904.
- LEIGH MERLE MORSS
A.B., Lehigh University, 1904.
- BENJAMIN LINDLEY MURRAY
B.S., University of Michigan, 1896.
- SAMUEL GEORGE NISSENSON
A.B., College of the City of New York, 1904.
- GERALD STUART O'LOUGHLIN
A.B., Columbia University, 1903.
- REUBEN OTTENBERG
A.B., Columbia University, 1902.
- WALTER GUSTAV CARNES OTTO
A.B., Columbia University, 1904.
- FAYETTE TIMOTHY OWEN
A.B., Doane College, 1896; A.M., 1904.
- FRED JAMES PACK
B.S., University of Utah, 1904.
- RUTH LOUISE PARKER
A.B., Vassar College, 1901.
- EDGAR DUDENSING PITTSKE
A.B., Columbia University, 1904.
- ETHEL MANTER POOL
A.B., Columbia University, 1903.

- JOHN KIRKPATRICK PRATHER
B.S., University of Texas, 1897.
- ARTHUR OSBORN PRITCHARD
Ph.B., Brown University, 1900.
- ANTHONY J. PUGLIESE
A.B., College of the City of New York, 1897.
- ALFRED REMY
A.B., College of the City of New York, 1890.
- GRACE POTTER REYNOLDS
A.B., Smith College, 1904.
- MARY VARIAN RIBLET
B.S., Columbia University, 1903.
- NATALIE SOPHIE ROETH
A.B., Mt. Holyoke College, 1898.
- GERALD BENJAMIN ROSENHEIM
A.B., Johns Hopkins University, 1904.
- OLIVE CARTER ROSS
A.B., University of Nashville, 1890.
- VERNON DOUGLAS RUGGLES
A.B., Dalhousie College, 1901; A.M., 1903.
- ORVILLE CARFIELD SANBORN
A.B., Oberlin College, 1902.
- EDWARD SAPIR
A.B., Columbia University, 1904.
- HENRY HERMANN LOUIS SCHULZE
A.B., College of the City of New York, 1903.
- SAMUEL ALEXANDER SCHWARZ
A.B., College of the City of New York, 1902.
- CORA ARNOT SCOTT
A.B., Columbia University, 1900.
- IZORA SCOTT
A.B., Columbia University, 1904.
- JEANNETTE ROWLAND SEIBERT
A.B., Columbia University, 1902.
- CHARLES HARMONAS SHAMEL
B.S., University of Illinois, 1890;
M.S., 1891; LL.B., University of Michigan, 1893.
- HENRY BLOUNT SHORT, Jr.
A.B., University of North Carolina, 1902.
- HERBERT WILLIAM SMITH
A.B., Yale University, 1902.
- ALICE EDDY SNOWDEN (Mrs.)
A.B., Michigan State Normal College, 1904.
- FRANK GOULDSMITH SPECK
A.B., Columbia University, 1904.
- CARITA SPENCER
A.B., Columbia University, 1902.
- CHARLES EDWARD SPRINGMEYER
A.B., College of the City of New York, 1897.
- ALBERT ADAMS SPRINGS, Jr.
A.B., South Carolina College, 1902.
- ALVA WALKER STAMPER
B.S., University of California, 1895.
- PHILIP JOHN STONEBERG
A.B., Knox College, 1899; A.M., 1901.
- JOHN WARNER TAYLOR
A.B., Columbia University, 1903.
- LOUIS JOHN TEPOEL
A.B., Fremont Normal College, 1902.
- MARY ELIZABETH THOMPSON
B.Ed., Normal College, Ypsilanti, Michigan, 1901.
- CHARLES KENNETH THOMSON
B.S., Louisiana State University, 1891; C.E., 1892.
- BETTY TRIER
A.B., Columbia University, 1904.
- CONRAD DANIEL TRUBENBACH
B.S., College of the City of New York, 1902.
- HAROLD HARRISON TRYON
A.B., University of Pennsylvania, 1900.
- EDWIN HOYT UPDIKE
A.B., Columbia University, 1904.
- LEIGH ROY URBAN
A.B., Princeton University, 1900.
- WARREN MERSEREAU VAN NAME
A.B., Columbia University, 1899.
- RUDOLPH LUDWIG VON BERNUTH
A.B., Columbia University, 1903.
- BENJAMIN RUDOLF VON SHOLLY
A.B., Columbia University, 1903.
- WILLIAM JOHN WALLIN
A.B., New York University, 1901.
- DAVID VICTOR WARNER
A.B., Kings College, N. S., 1902.
- CONSTANCE WARREN
A.B., Vassar College, 1904.
- WILLIAM ASBURY WHITAKER, Jr.
Ph.B., University of North Carolina, 1904.
- JOHN BOARDMAN WHITNEY
B.S., Hobart College, 1904.
- ETHEL DODGE WILCOX
A.B., Columbia University, 1903.
- ROLAND HUGH WILLIAMS
B.S., Wesleyan University, 1898.
(December 13).
- JOHN HOWARD WILSON
A.B., Brooklyn Polytechnic Institute, 1895.

PEARL CLEVELAND WILSON

A.B., Vassar College, 1904.

SAMUEL SUNG YOUNG

A.B., University of California, 1904.

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JACOB ZEITLIN

A.B., Columbia University, 1904.

EDITH ALICIA ZINK

A.B., Mt. Holyoke College, 1904.

Master of Laws

JOHN BOYCE SMITH, JR.

A.B., Columbia University, 1901;

A.M., 1903; LL.B., 1904.

[1]

Doctor of Philosophy

FELIX ARNOLD

A.B., College of the City of New York, 1898; Pd.D., New York University, 1903.

Dissertation: The psychology of association.

ENOCH MARVIN BANKS

A.B., Emory College, 1897; A.M., 1900.

Dissertation: The economics of land tenure in Georgia.

CHARLES JOSEPHUS C. BENNETT

A.B., University of Nashville, 1889; A.M., 1892; A.M., Leland Stanford Junior University, 1896.

Dissertation: Formal discipline.

JESSE DISMUKES BURKS

Ph.B., University of Chicago, 1893; B.L., University of California, 1894.

Dissertation: Exact methods in city school administration.

WENDELL T. BUSH

A.M., Harvard University, 1898.

Dissertation: Avenarius and the standpoint of pure experience.

EMILY MATILDA CODDINGTON

A.B., London University, 1896; A.M., Columbia University, 1898.

Dissertation: The historical development of pseudo-spherical surfaces.

ELLWOOD PATTERSON CUBBERLEY

A.B., Indiana University, 1891; A.M., Columbia University, 1902.

Dissertation: Equalization of the advantages of education by means of state aid.

FREDERICK MORGAN DAVENPORT

A.B., Wesleyan University, 1889.

Dissertation: A sociological study of revivals.

WALTER FENNO DEARBORN

A.B., Wesleyan University, 1900; A.M., 1903.

Dissertation: The psychology of reading.

EDWARD CHARLES ELLIOTT

B.S., University of Nebraska, 1895; A.M., 1897.

Dissertation: A fiscal study of municipal school administration.

HENRY DAVID GRAY

Ph.B., Colgate University, 1897; A.M., Columbia University, 1898.

Dissertation: The philosophy of Emerson.

GEORGE GORHAM GROAT

A.B., Syracuse University, 1895; A.M., Cornell University, 1901.

Dissertation: Results of labor legislation in New York State.

ROLAND McMILLAN HARPER

B.E., University of Georgia, 1897.

Dissertation: A phytogeographical sketch of the Altamaha Grit region of the coastal plain of Georgia.

LINVILLE LAURENTINE HENDREN

A.B., Trinity College (N. C.), 1900; A.M., 1901.

Dissertation: The rate of recombination of the ions in gases at low pressures.

VIVIAN ALLEN CHARLES HENMON

A.B., Bethany College, 1895; A.M., 1899.

Dissertation: The time of perception as a measure of differences in sensations.

FRANK ERASTUS HINCKLEY

A.B., Beloit College, 1892; A.M., 1897.

Dissertation: American consular jurisdiction in the Orient.

SUSAN MYRA KINGSBURY

A.B., University of the Pacific, 1890; A.M., Leland Stanford Junior University, 1899.

Dissertation: Records of the Virginia Company of London.

STELLA KRAMER

B.L., University of Cincinnati, 1899;
A.M., 1902.

Dissertation: The attitude of the English government toward the craft guilds in the 15th and 16th centuries.

ROBERT JULIUS LAU

A.B., Central Pennsylvania College, 1900; A.M., Columbia University, 1901.

Dissertation: Old Babylonian temple records.

EDWIN CORWIN MCKEAG

A.B., Rutgers College, 1896; A.M., 1897; LL.B., Columbia University, 1900.

Dissertation: The law of mistake.

HOWARD DANIEL MARSH

A.B., Ohio Wesleyan University, 1901; A.M., 1902.

Dissertation: The diurnal course of human efficiency.

JUNIUS LATHROP MERIAM

A.B., Oberlin College, 1895; A.M., Howard University, 1902.

Dissertation: Studies in Normal schools and elementary teachers.

HENRIETTA EVANGELINE MOORE

A.B., University of Oregon, 1888; A.M., 1891; M.L., University of California, 1896.

Dissertation: Early literary activity in New York.

HENRY RAYMOND MUSSEY

A.B., Beloit College, 1900.

Dissertation: The production of iron ore in the United States.

EDMUND HENRY OLIVER

A.B., University of Toronto, 1902; A.M., 1903.

Dissertation: Roman economic development from the earliest times to the end of the republic.

BRUCE RYBURN PAYNE

A.B., Trinity College (N. C.), 1896; A.M., 1902; A.M., Columbia University, 1903.

Dissertation: A comparative study of the content and time allotments of the curricula of public elementary schools in cities of the United States, England, Germany, and France.

CHARLES WORTHEN SPENCER

A.B., Colby College, 1890.

Dissertation: Phases of royal government in New York, 1691-1719.

HENRY RUSSELL SPENCER

A.B., Colby College, 1899; A.M., Columbia University, 1901.

Dissertation: Massachusetts as a royal province.

CHARLES EMIL STANGELAND

A.B., Augsburg Seminary, 1898; A.M., University of Minnesota, 1901.

Dissertation: Pre-Malthusian doctrines of population.

GEORGE DRAYTON STRAYER

A.B., Johns Hopkins University, 1903.

Dissertation: City school expenditures; the variability and interrelation of the principal items.

ANTHONY HENRY SUZZALLO

A.B., Leland Stanford Junior University, 1899; A.M., Columbia University, 1902.

Dissertation: The rise of local school supervision in Massachusetts.

FLETCHER HARPER SWIFT

A.B., Dartmouth College, 1898; B.D., Union Theological Seminary, 1903; A.M., Columbia University, 1904.

Dissertation: A history of common school funds in the United States.

SATORU TETSU TAMURA

B.S., Simpson College, 1900; A.M., State University of Iowa, 1901.

Dissertation: A mathematical theory of the nocturnal cooling of the atmosphere near the earth's surface.

IDA CARLETON THALLON

A.B., Vassar College, 1897; A.M., 1901.

Dissertation: Lycosura and Damophon.

HARVEY WATERMAN THAYER

A.B., Harvard University, 1896.

Dissertation: Lawrence Sterne in Germany.

LORANDE LOSS WOODRUFF

A.B., Columbia University, 1901.

A.M., 1902.

Dissertation: An experimental study on the life-history of hypotrichous infusoria.

NAOHIDE YATSU

(Equivalent A.B.), Tokio Imperial University, 1900.

Dissertation: Studies on the embryology and cytology of cerebratulus lacteus.

CHIN-YUNG YEN

A.B., Tientsin University, 1901.

Dissertation: Rights of citizens and persons under the Fourteenth Amendment.

HONORARY DEGREES

Conferred, unless otherwise mentioned, at the annual Commencement, June 14, 1905

Master of Science

FREDERICK ARTHUR GOETZE

Superintendent of Buildings and Grounds in Columbia University.

GEORGE FRANCIS SEVER

Professor of Electrical Engineering in Columbia University.

Doctor of Science

WILLIAM TUFTS BRIGHAM

Director of the Bishop Museum of Ethnology, Honolulu

ROBERT SIMPSON WOODWARD

Professor of Mechanics and Mathematical Physics in Columbia University. President of the Carnegie Institution of Washington

Doctor of Letters

WILLIAM DEAN HOWELLS

Doctor of Laws

EDWIN ANDERSON ALDERMAN

President of the University of Virginia

(Conferred *in camera*, June 5, 1905)

JACOB MCGAVOCK DICKINSON

Of Counsel for the United States before the Alaska Boundary Tribunal

Doctor of Sacred Theology

REVEREND WILLIAM THOMAS MANNING

Assistant Rector of Trinity Church, New York

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COMMENCEMENT CALENDAR, 1905

- May 30-June 1—Teachers College Exhibition.
 June 9—Barnard College Class Day.
 June 11—Baccalaureate Service, Rev. George William Knox,
 D.D., LL.D., Preacher.
 June 12—Columbia College Class Day; Teachers College River
 Day.
 June 12-19—Architectural Exhibition.
 June 13—Phi Beta Kappa Meeting and Oration.
 June 14—Commencement, Conferring of Degrees and Award of
 Honors; Alumni Luncheons; Anniversary Dinners;
 Decennial Celebration.

THEODORE ROOSEVELT PROFESSORSHIP OF AMERICAN HISTORY AND INSTITUTIONS IN THE UNIVERSITY OF BERLIN

Mr. James Speyer, of New York, has given to the Trustees of Columbia University \$50,000 to endow the Theodore Roosevelt Professorship of American History and Institutions in the University of Berlin, in accordance with a plan approved by the German Emperor. Incumbents of the professorship are appointed by the Prussian Ministry of Education with the Emperor's sanction, upon the nomination of the Trustees of Columbia University. The term of office of each incumbent will be one year and he will give instruction in the German language. Incumbents of the chair will be so chosen that in successive years the fields of American history, American Constitutional and administrative law, American economic and sociological problems and movements, American education, and American contributions to science, technology, the arts and literature, will be the subject of instruction. The instruction will be given in the University of Berlin during each winter semester, and, according as arrangements are made by the Prussian Ministry of Education, the instruction may be repeated in whole or in part at some one of the other German universities during the ensuing summer semester. Nominations will not be confined to the members of the staff of Columbia University, but professors in any American institution of learning, or scholars unattached to any university, will be eligible for nomination.

The German Government, in return, will establish at Columbia University a Professorship of German History and Institutions, to the incumbent of which the same general conditions will apply as are given above for the incumbent of the Theodore Roosevelt Professorship. The appointee to the chair in Columbia University will lecture in English.

Theodore Roosevelt Professor for 1906-7—JOHN WILLIAM BURGESS, Ph.D., LL.D., Ruggles Professor of Political Science and Constitutional Law, and Dean of the Faculty of Political Science in Columbia University. Professor Burgess will give instruction in American Constitutional History.

FELLOWSHIPS, SCHOLARSHIPS, AND OTHER PROVISION FOR THE ASSISTANCE AND REWARD OF STUDENTS

NOTE.—Unless otherwise provided, all stipends of Fellows and Scholars shall be paid in equal semi-annual instalments on the second Wednesday of each half-year. Before being entitled to receive either instalment of his stipend, each Fellow and Scholar is required to report himself in writing to the Registrar as in residence, on or before the opening day of each half-year.

Fellows and Scholars are required to pay all fees for matriculation, tuition, graduation, and for the use of the Gymnasium. The provisions regarding the maximum fee for the higher degrees do not apply to them.

General Regulations

The following regulations apply, unless the contrary is specifically stated, to the award of fellowships and scholarships:

In each case application must be made in writing on a blank prepared for the purpose which may be obtained from the Secretary of the University. In the case of all fellowships it should be filed on or before March 1; in the case of scholarships, on or before May 1. Applications and documents received in support thereof later than these dates or not distinctly indicating the name of the candidate and the fellowship or scholarship for which he applies may fail of consideration. As an evidence of graduation, a printed certificate is preferable to the formal diploma itself, as there is risk that the latter may be lost or injured in transit.

The appointment is in each case for one year dating from July 1. Candidates will be notified as promptly as possible as to the success of their applications. If the applicant wishes the documents which he has submitted returned to him by mail he should enclose postage for the purpose, otherwise they will be held until called for.

The conditions under which the appointment may be granted are indicated in the following paragraphs:

All Fellows, except as hereinafter provided, shall reside in New York City or its vicinity during the academic year, unless permission be granted by the President to study elsewhere.

UNIVERSITY FELLOWSHIPS

Fourteen fellowships, of the value of \$650 each, known as "University Fellowships," are awarded annually by the University Council at its stated meeting in April, to those graduates of colleges and scientific schools, not over thirty years of age, who show themselves especially

fitted to pursue courses of higher study and original investigation. The candidate must give evidence:

(a) of a liberal education, such as a diploma from a college or scientific school of good repute;

(b) of decided fitness for a special line of study, such as an example of some scientific or literary work already performed;

(c) of upright character, such as a testimonial from some instructor.

The appointment is for one year, beginning July 1. A Fellow may be reappointed for reasons of weight. No Fellow may be reappointed for more than two terms of one year each.

As these fellowships are awarded as honors, those who are disposed, for the benefit of others or for any other reason, to waive the pecuniary emolument, may do so, and still have their names retained on the list of Fellows. In such cases additional University Fellows may be appointed.

Vacancies shall be filled in the same manner in which original appointments are made.

Every Fellow will be expected to perform such duties as may be allotted to him in connection with a course of study leading to the degree of Doctor of Philosophy. He will be expected to devote his time to the prosecution of special studies under the direction of the head of the department in which his major subject lies, and before the close of the academic year to give evidence of progress by the preparation of a thesis, the completion of a research, the delivery of a lecture, or by some other method. No Fellow may pursue a professional or technical course of study during his term.

No Fellow shall be allowed to accept remunerative employment or to give instruction or assistance in any department of the University except by permission of the President, and the acceptance of any such employment, without such permission, shall operate to vacate the fellowship.

University Fellows, 1905-06:

ERNEST SUTHERLAND BATES.....	<i>English</i>
FRANCIS WILLIAM COKER.....	<i>Political Philosophy</i>
HUBERT DANA GOODALE.....	<i>Zoölogy</i>
CLARENCE EVERETT GORDON.....	<i>Geology</i>
FRANK HAMILTON HANKINS.....	<i>Statistics</i>
GEORGE WILBER HARTWELL.....	<i>Mathematics</i>
CARLTON HUNTLEY HAYES.....	<i>European History</i>
ROBERT TUDOR HILL.....	<i>Sociology</i>
DUDLEY ODELL MCGOVNEY.....	<i>International Law</i>
JOHN GILMORE ROSS.....	<i>Mining Engineering</i>
ASAPH ROBERT SHELANDER.....	<i>Philosophy</i>
ALFRED HORATIO UPHAM.....	<i>Comparative Literature</i>
FREDERIC LYMAN WELLS.....	<i>Psychology</i>
HARLAN HARVEY YORK.....	<i>Botany</i>

SPECIAL FELLOWSHIPS

Unless otherwise specified, the regulations as to the mode of application for the following fellowships, and the conditions governing their award and tenure, are the same as those for University fellowships (see ante). Candidates should indicate clearly upon their application blanks the fellowship for which they are applicants.

Tyndall and Barnard Fellowships

The Tyndall Fellowship for the Encouragement of Research in Physics, endowed by Professor John Tyndall, and of an annual value of \$648, and the Barnard Fellowship for Encouraging Scientific Research, endowed by the bequest of the late President Barnard, annual value \$500, are awarded annually under the following conditions: The Tyndall Fellowship is available for one or more American pupils who may have shown decided talent in physics, and preferably such as shall express the determination to devote their lives to the advancement of theoretic science and original investigations in that department of learning, and is awarded either to a graduate of the University or to a student in it (not necessarily a candidate for a degree) upon the recommendation of the head of the Department of Physics. The Barnard Fellowship is awarded upon the joint recommendation of the Faculties of Columbia College, Applied Science, and Pure Science to a graduate of any one of them who, having shown decided aptness for physical investigation, is disposed to devote himself thereto for some years continuously. The recommendation must in each case be made to the President on or before April 1. The appointment is for the term of one year, but the incumbent shall be eligible to reappointment.

It is the duty of a John Tyndall or Barnard Fellow to devote himself faithfully to the investigation of some subject in physical science at this University, or at some other in this country or abroad, under the supervision of some known physicist approved by the President and the head of the Department of Physics. He shall make a report, certified to by the physicist superintending and directing him, quarterly to the President, giving an account of the work in which he has been engaged during the three months preceding.

Tyndall Fellows:

1891-92 WILLIAM H. FREEDMAN	1897-98 No incumbent
1892-93 CHARLES R. MANN	1898-1901 ROBERT BOWIE OWENS
1894-95 CHARLES R. MANN	1901-03 BERGEN DAVIS
1895-97 WALTER WHEELER COOK	1903-04 FRANK LEO TUFTS
1904-06 FREDERIC COLUMBUS BLAKE	

Barnard Fellows:

1894-96 WILLIAM LISPENARD ROBB	1900-03 JOHN ALEXANDER MATHEWS
1896-97 No incumbent	1903-05 WILLIAM CAMPBELL
1897-1900 HEINRICH RIES	1905-06 CLARENCE WHITNEY KANOLT

Adams Research Fellowship

The Ernest Kempton Adams Research Fellowship, founded by Mr. Edward Dean Adams, in memory of his son, Ernest Kempton Adams, is of an annual value of \$1250. The appointment may be made from among the faculties, teaching staff, alumni, or students of Columbia University. The incumbent of the fellowship shall prosecute researches either in Columbia University or elsewhere, in the physical sciences, in psychology, or in their practical applications. The results of the investigations of the incumbent of the fellowship are published and distributed by the University under the title of "Researches of the Ernest Kempton Adams Research Fellows of Columbia University."

Ernest Kempton Adams Research Fellow:

1905-06 ERNEST FOX NICHOLS

Class of '70 Fellowship

There is a fellowship known as the "Class of '70 Fellowship," of the annual value of \$500, which, after the expiration of the term of the present incumbent, shall be filled by the University Council, subject to such regulations as may be prescribed.

Class of '70 Fellow:

1896— LEWIS BUFFET CARLL

George William Curtis Fellowship

The George William Curtis Fellowship is awarded for a term of two years upon the recommendation of the Faculty of Political Science in every third year, the next award being July 1, 1907. The Curtis Fellow shall be entitled to receive during his incumbency the net income of the endowment of \$10,000 (in 1904-05, \$400 annually), accruing during a period of three years, and proportionately for any part of the term.

Candidates shall submit an essay or address on the "Immediate Duty of the American Citizen," in addition to complying with the requirements of candidates for University fellowships.

The Fellow shall devote himself to the study of the science of government, with a special view to its application to the then existing condition of the United States or to the State or City of New York; and at or before the conclusion of his second year he shall publish (a) a monograph satisfactory to the Faculty of Political Science on some subject relating thereto, and (b) a brief sketch of George William Curtis as a citizen and orator, showing that he has familiarized himself with the life and character of the man whose memory is to be perpetuated by the fellowship which he has enjoyed.

George William Curtis Fellows:

1901-02 JAMES WILFORD GARNER 1902-04 CHARLES AUSTIN BEARD
1904-06 CHARLES GROVE HAINES

Drisler Fellowship

The Henry Drisler Fellowship in Classical Philology, established in 1894 in commemoration of the semi-centennial in the service of the University of Professor Henry Drisler, A.B., 1839, is of the annual value of \$650, and is open to Bachelors of Arts of this University, or some other institution of equivalent standing, who have studied Greek and Latin throughout their undergraduate course, and who have an adequate knowledge of French and German. They must present testimonials from their instructors in Greek and Latin as to the quality of their work, and give evidence of fitness for advanced study and research, either by a special examination, or by an essay embodying the results of research in some department of classical study.

The appointment is made by the University Council on the joint recommendation of the professors of Greek and Latin. Recommendations should reach the President on or before April 1, and reappointments may be made for not more than two terms of one year each.

The Fellow must study at this University under the direction of the professors of Greek and Latin, unless permitted by the Council to spend a year in some foreign university, or in the American School of Classical Studies at Athens, or in the American School of Classical Studies in Rome.

Drisler Fellows:

1894-96 JOHN KASSON LATHROP	1900-01 BERT HODGE HILL
1896-97 GEORGE N. OLCOTT	1901-02 No incumbent
1897-98 WILLIAM T. F. TAMBLYN	1902-03 HARWOOD HOADLEY
1898-99 CORLISS FITZ RANDOLPH	1903-04 WALTER WHIPPLE ARNOLD
1899-1900 EDWARD CHARLES HARWOOD	1904-05 No incumbent
1905-06 MACON ANDERSON LEIPER	

Garth Fellowship

The Granville W. Garth Fellowship in Political Economy is awarded each year. The successful applicant for the fellowship shall be entitled to receive the net annual income of the capital sum of the Granville W. Garth Memorial Fund of \$16,250.

Garth Fellow:

1905-06 MEYER JACOBSTEIN

Gottsberger Fellowship

The Gottsberger Fellowship is awarded every second year subject to the same regulations as the University Fellowships, with the following exceptions: It is open only to candidates who, having first taken a degree in Columbia College, have been for not less than two years resident graduate students of Columbia University, taking also the degree of Master of Arts. The Fellow may be appointed in any subject of study included in those offered by the Faculties of Philosophy,

Political Science, and Pure Science. The holder of the fellowship may with the consent of the professor in charge of his major subject of study, and with the approval of the President, pursue his studies abroad. The Fellow so appointed receives the net income for two years of the capital sum of \$9500 constituting the Cornelius Heeney Gottsberger Scholarship Fund.

Gottsberger Fellow:

1905-06 GEORGE CHRISTIAN OTTO HAAS

Mosenthal Fellowship

The Mosenthal Fellowship, established in memory of the late Joseph Mosenthal, is designed to aid talented students of musical composition, either men or women, in the study of their art. The stipend is the net income for two years of the capital sum of \$7500. It is awarded every second year by the Council upon the recommendation of the Professor of Music, and is tenable for one year.

Applicants are required to have a thorough knowledge of harmony and of counterpoint and some ability to compose, by submitting a number of original compositions in support of their applications.

The holder must devote himself to the study of musical composition at Columbia University, or, with the approval of the President and the Professor of Music, abroad. In the former case, he shall be required, in addition to his studies in Music, to pursue such other studies in at least two departments of the University, as the Professor of Music may direct. In either case, the Fellow shall submit, at such times as the Professor of Music may designate, the results of his work in musical composition.

Mosenthal Fellows:

1899-1901 MARY ANGELA DILLER	1902-04 FRANK EDWIN WARD
1901-02 No incumbent	1904-05 BENJAMIN LAMBORD
1905-06 No incumbent	

Proudfit Fellowship in Letters

The Alexander Moncrief Proudfit Fellowship in Letters for the encouragement of the study of English Literature, founded by the bequest of Alexander Moncrief Proudfit, is open to any son of native-born American parents who shall have taken the degree of Bachelor of Arts after a three years' residence in Columbia College, and who shall, while enjoying such fellowship, remain unmarried. The appointment is made by the Council upon the joint recommendation of the professors in the Department of English. Such appointment shall be for the term of one year, and may be renewed, for reasons of weight, for two terms of one year each, and no more. The Fellow shall be entitled to receive during his incumbency the net income of the sum of \$13,875 (in 1904-05, \$555). He shall carry on his studies and research at Columbia University, or elsewhere, under the direction of the professors in the department named.

Proudfit Fellows in Letters:

1900-03 JOHN ERSKINE

1903-05 STANLEY KIDDER WILSON

1905-06 No incumbent

Schiff Fellowship

The Schiff Fellowship in Political Science, the gift of Mr. Jacob H. Schiff, is of an annual value of \$600. The appointment is made each year by the Council upon the recommendation of the Faculty of Political Science, which recommendation is based upon the nomination following: On or before April 1 of each academic year the Faculty of Political Science shall propose to Mr. Jacob H. Schiff while living the name of a suitable person for nomination by him. The conditions to govern the nomination after Mr. Schiff's death will be found in the University Statutes.

Schiff Fellows:

1898-1900 WILLIAM HENRY FRY

1902-03 GEORGE CHARLES SELDEN

1900-01 WALTER PERCY BORDWELL

1903-04 PRESERVED SMITH

1901-02 ULRICH BONNELL PHILLIPS

1904-05 NORRIS ARTHUR BRISCO

1905-06 CHARLES RAMSDELL LINGLEY

Carl Schurz Fellowship

The Carl Schurz Fellowship for the Study of the German Language and Literature is awarded, in every even-numbered year, by the Council, upon the recommendation of the professors of the Department of Germanic Languages and Literatures. The Fellow shall be entitled to receive the net income for two years of the capital sum of \$10,000, constituting the endowment contributed by citizens of New York, in commemoration of the seventieth birthday of Carl Schurz. The appointment may be renewed for reasons of weight for a further term of one year, but without additional stipend.

Candidates must present testimonials as to their zeal and success in the study of German, and must by an essay or published treatise give evidence of their fitness for a wider and more profound study of the language and literature and for independent research. They must also have a sufficient knowledge of Latin and French to use these languages readily in the prosecution of their studies. The holder must study at Columbia University under the direction of the Department of Germanic Languages and Literatures, unless permitted by the Council to study at some German university.

Carl Schurz Fellows:

1902-03 JOHN LOUIS KIND

1904-05 No incumbent

1905-06 ALLEN WILSON PORTERFIELD

Annual Fellowships

The Treasurer may receive gifts of money for fellowships for one year or more, provided that no fellowship shall be created for less than \$500 per annum. Such fellowship shall be filled by the University Council, subject to such regulations as may be prescribed.

UNIVERSITY SCHOLARSHIPS

Thirty University scholarships, of an annual value of \$150, are awarded by the University Council at the regular meeting in May to students under the Faculties of Political Science, Philosophy, and Pure Science, who are not over thirty years of age, under the following regulations:

1. They are open to all graduates of colleges and scientific schools whose course of study has been such as to entitle them to be enrolled at Columbia as candidates for one of the higher degrees.

2. They are tenable for one academic year, with a possibility of renewal for one year longer.

3. Applications should be filed in writing, not later than May 1, on blanks that will be furnished for the purpose, and addressed to the Secretary of Columbia University.¹

4. In the awards preference will be given to those candidates for University fellowships who have failed of appointment after having been recommended therefor by any faculty or department.

5. University scholars will be required to enroll themselves as candidates for a higher degree and to pursue a regular course of study leading thereto.

6. Additional scholars may be appointed by the Committee to fill any vacancies occurring otherwise than by the graduation of an incumbent.

7. A University scholar may relinquish the income thereof without waiving his right to be designated as a University scholar.

8. University scholars may be held liable to serve as proctors at the autumn entrance examinations and at the semi-annual and concluding examinations without fee. They will not be called upon for service at times that interfere with their own academic work. Due notice of their assignments will be sent to them.

University Scholars, 1905-06

MARVIN VALETTE BENNETT.....	<i>Latin</i>
VARNUM PIERCE CURTIS.....	<i>Civil Engineering</i>
PEARL LEROY FOUCHT.....	<i>Political Economy</i>
BERNHARD FRANZEN.....	<i>Latin</i>
RALPH MENDENHALL FRINK.....	<i>Political Economy</i>
SVEN FROEBERG.....	<i>Psychology</i>
CLAUDE MOORE FUESS.....	<i>English</i>

¹ See also the last paragraph under Fellowship Regulations, page 468.

LEONHARD FELIX FULD.....	<i>Administrative Law</i>
JAMES HENRY GILBERT.....	<i>Economics</i>
JAMES PUTNAM HEATON.....	<i>Economics</i>
JOSHIMASA ISHIKAWA.....	<i>Economics</i>
ROBERT RUSS KERN.....	<i>Philosophy</i>
EDWIN GIFFORD LAMB.....	<i>Sociology</i>
JOSEPH LIPKE.....	<i>Mathematics</i>
ALBERT ARTHUR LIVINGSTON.....	<i>Romance Languages</i>
JOHN ANGUS CAMPBELL MASON.....	<i>History</i>
CHARLES SEARING MEAD.....	<i>Zoölogy</i>
ELY OTHMAN MERCHANT.....	<i>Economics</i>
LEIGHTON B. MORSE.....	<i>Physics</i>
JOHN MAURICE NELSON.....	<i>Chemistry</i>
SAMUEL GEORGE NISSENSON.....	<i>History</i>
CHARLES JONES OGDEN.....	<i>Greek</i>
WILLIAM THEODORE RUNZLER.....	<i>Latin</i>
EDWARD SAPIR.....	<i>Linguistics</i>
HARRY MANSAN SINCLAIR.....	<i>Constitutional Law</i>
HAROLD WORTHINGTON WEBB.....	<i>Physics</i>
LAWRENCE AUGUSTUS WILKINS.....	<i>Romance Languages</i>

President's University Scholarships

Eight additional scholarships, known as the President's University Scholarships, are awarded by the University Council, governed by the regulations attached to the University scholarships, and by such further regulations as may from time to time be adopted.

President's University Scholars, 1905-06

MICCO MILTIADES ACHILLES FONTRIER.....	<i>Mathematics</i>
HARRY GEORGE FRIEDMAN.....	<i>Economics</i>
NICHOLAS A. KOENIG.....	<i>Semitic Languages</i>
HOWARD LEE MCBAIN.....	<i>Constitutional Law</i>
NUBA MICHEL PLETCHER.....	<i>History</i>
FRANK GOULDSMITH SPECK.....	<i>Anthropology</i>
BIRD WILLIAMS STAIR.....	<i>English</i>

University Scholarships for Women

Four University scholarships, known as the Curtis University Scholarships, will be awarded annually to women students under the Faculties of Philosophy, Political Science, and Pure Science. These scholarships are awarded under the same regulations as those governing the University scholarships.

Curtis University Scholars, 1905-6

HELEN LETITIA PALLISER.....	<i>Botany</i>
DAGNY GUNHILDA SUNNE.....	<i>Philosophy</i>
BETTY TRIER.....	<i>Mathematics</i>
ETHEL DODGE WILCOX.....	<i>Sociology</i>

SPECIAL SCHOLARSHIPS

Richard Butler Scholarship

The Richard Butler Scholarship, tenable for one academic year, with the possibility of renewal for each of two years more, for the benefit of male students born in the State of Ohio, is open for competition to qualified candidates who propose to enter any college, or school of the University (except Teachers College or the College of Pharmacy). The annual value is the income of a fund of \$5000, given for the establishment of the scholarship with a maximum stipend of \$150.

Applications should be made under the same regulations as those for University Scholarships.

Richard Butler Scholar

1904-06 OTHO LEE MONROE

Pulitzer Scholarships

Through the generosity of Mr. Joseph Pulitzer, male graduates of the public high-schools of Manhattan and the Bronx, not to exceed forty at any time, are awarded scholarships upon competitive examination. Each scholarship so awarded may be held for a period of four years in the College or in any department of the University except the Medical School. The scholarship will be withdrawn if at any time the holder fails to maintain a satisfactory standard in his academic work. During his term the scholar receives from Mr. Pulitzer the sum of \$250 a year over and above the cost of his tuition. Full information regarding the conditions under which these scholarships are awarded will be furnished, upon application, by the Secretary of the University.

John D. Jones Scholarship

The Wawepex Society makes annual provision for a scholarship amounting to \$200 and including the use of a table at the biological laboratory at Cold Spring Harbor, L. I. The award is made by the Council upon the recommendation of the Department of Zoölogy.

John D. Jones Scholars

1898-99 FRANCIS BERTODY SUMNER

1899-1900 JOHN CUTLER TORREY

1900-01 FREDERICK CLARK PAULMIER

1901-02 WILLIAM E. KELLCOTT

1902-03 CHARLES ZELENY

1903-04 LOUIS I. DUBLIN

1904-05 CHARLES RUPERT STOCKARD

1905-06 JOHN HOWARD MCGREGOR

Annual Scholarships

The Treasurer may receive gifts of money for scholarships for one or more years, provided that no such scholarship shall be for a less sum than the annual tuition fee of the College or of the school in which it is provided.

MEDALS AND PRIZES

Essays submitted in competition for any of the following should, unless otherwise indicated, be submitted to the Secretary of the University not later than May 1, in the year of award. The awards are announced at Commencement and, unless otherwise indicated, are annual.

National Society of the Sons of the American Revolution Medal

For information as to the award of the medals offered by this Society, apply to the Secretary of the University.

Barnard Medal

A gold medal of the value of \$200 established by the provisions of the will of President Barnard and endowed by him, known as the "Barnard Medal for Meritorious Service to Science," is awarded quinquennially to such person, if any, whether a citizen of the United States or any other country, as shall within the five years next preceding have made such discovery in physical or astronomical science, or such novel application of science to purposes beneficial to the human race, as in the judgment of the National Academy of Sciences of the United States shall be esteemed most worthy of such honor. The award of 1895 was to Lord Rayleigh, F. R. S., and Professor William Ramsay, F. R. S., and that of 1900 to Professor Wilhelm Conrad von Röntgen.

Awards

- 1895 LORD RAYLEIGH and Professor WILLIAM RAMSAY
- 1900 Professor WILHELM CONRAD VON RÖNTGEN
- 1905 Professor HENRI BECQUEREL

Bennett Prize

A prize established through a gift of \$1000 from Mr. James Gordon Bennett, may be awarded by the Faculty of Political Science for the best essay upon some subject of contemporaneous interest in the domestic or foreign policy of the United States, the subject for 1905-06 being "The Relations of the President and Senate in the Constitutional History of the United States." The competition is open to students not holding a baccalaureate degree who pursue courses amounting to six hours a week in the School of Political Science.

*No Award in 1905***Bunner Medal**

The H. C. Bunner Gold Medal, established by the friends of the late Henry Cuyler Bunner, is awarded to the candidate for a Columbia degree who shall present the best essay on an assigned subject in

American literature. The award will be made by a committee to be appointed by the President. The subject for the essays to be handed in on May 1, 1906, is "Thomas Jefferson as a Man of Letters"; for 1907, "The Hartford Wits."

Award of 1905

ALAIN CAMPBELL WHITE.

Loubat Prizes

Mr. Joseph F. Loubat has endowed two prizes of \$1000 and \$400, respectively, for the best works published in the English language upon the history, geography, archaeology, ethnology, philology, or numismatics of North America. The next award will be made in 1908. Competition is open, under the deed of gift, to all persons, whether connected with Columbia University or not, and whether citizens of the United States or of any other country. No treaties shall be eligible for the purposes of the competition except such as relate to the topics involving antiquarian research, or that refer to events prior to 1776. In order to insure consideration of their works, authors are invited to send copies to the President of Columbia University not later than April 1 of the year in which the prize is to be awarded; but the competition will not be restricted to works thus submitted. For names of the Committee of Award for 1908, and for further details, address the Secretary of the University.

Award of 1893

First Prize, HENRY ADAMS, for his "History of the United States of America during the Administrations of Jefferson and Madison."

Second Prize, A. F. BANDELIER, for his "Report of Investigations among the Indians of the Southwestern States."

Award of 1898

First Prize, WILLIAM HENRY HOLMES, for this work entitled "Stone Implements of the Potomac—Chesapeake Tidewater Province."

Second Prize, FRANZ BOAS, Ph.D., for his monograph entitled "The Social Organization and the Secret Societies of the Kwakiutl Indians."

In 1903, no award

Grant Squires Prize

A prize known as the Grant Squires Prize, the income for five years of a fund of \$1000, established by Grant Squires, A.B. '85, LL.B. '87, is awarded at Commencement at the close of every quinquennial period, to such graduate conducting an original investigation of a sociological character as shall be adjudged most worthy by a Committee of Award, consisting of the President, the Professor of Sociology,

and one of the professors of Political Economy, appointed by the Faculty of Political Science. The next award will be in 1910. Such award shall be deemed to be a recognition of scientific ability and achievement, as well as an encouragement of research.

Award of 1905

EDWARD W. CAPEN

Honorable Mention

ARTHUR CLEVELAND HALL

Toppan Prize

A prize known as the Robert Noxon Toppan Prize, the income of an endowment of \$4000, in memory of Robert Noxon Toppan, LL.B. '61, is awarded annually to the member of the School of Law or of Political Science who shall pass the best written examination upon a paper prepared by the Professor of Constitutional Law.

Award of 1905

HOWARD LEE MCBAIN

Honorable Mention

JOHN MARTIN GRIFFITH

Prize of the Dante Society

The Dante Society of Cambridge, Mass., offers an annual prize of \$100 for an essay on a subject drawn from the life or works of Dante. This prize is open to competition by students of Columbia University and by graduates of not more than three years' standing. For particulars, see the announcement of the Division of Modern Languages.

Prizes of the New Jersey Alumni Association

Two prizes of \$50 each are awarded annually at Commencement by the New Jersey Alumni Association to the New Jersey students who pass the best entrance examinations to Columbia College and the Schools of Applied Science, respectively; with the proviso that these students shall become *bona fide* members of the University.

Scholarships and Prizes in Columbia College

Seventy-two scholarships, of the annual value of \$150 each, are open for competition in Columbia College. All scholarships are intended to be academic honors. Award is made, with the exception of the scholarships depending upon entrance examinations, by the Committee on Scholarships. Unless otherwise indicated, application for award for each year of incumbency must be made on or before May 1, on blanks furnished by the Secretary of the University. Awards will be announced not later than July 1.

No student who has incurred serious academic censure, or who obtains leave of absence for the year of appointment, will be considered for reappointment. Failure to maintain a grade of at least C in all courses taken may, and in the case of competitive scholars will, vacate the scholarships. Vacancies may be filled at the discretion of the Committee.

Payment is made at the Bursar's office in semi-annual instalments of \$75 each on the third Saturday of each academic year and the second Wednesday of the second half-year to incumbents who have previously reported themselves to the Registrar as in residence. Payment of one or both instalments may be withheld if the student proves undeserving.

Section I Competitive Scholarships awarded, not later than July 15 in the order given, by the Committee on Admissions to those qualified Freshmen who pass in June the best entrance examinations in subjects aggregating the fifteen points requisite for admission. The examination may be taken at any point in Greater New York where examinations are held by the College Entrance Examination Board. No applications are required from candidates for first appointment. Reappointments are made under the general regulations of the Committee on Scholarships.

Alumni Competitive Scholarships 4

Founded by the Trustees in 1890, one awarded annually.

For 1905-06:

Class of 1907—GEORGE FREDERICK COMSTOCK

Class of 1908—WILLIAM SCHREIBER

Class of 1909—HERBERT CALVIN SKINNER

Hewitt and Harper Scholarships (2 each) 4

Endowed by the gift of Abram S. Hewitt, LL.D., of the Class of 1842, and by the bequest of Joseph W. Harper, A.M., of the Class of 1848. One open annually for competition to graduates of New York City high schools.

For 1905-06:

Harper, Class of 1906—MAX KAHN

Hewitt, Class of 1907—MICHAEL SOLOMON

Harper, Class of 1908—CLEMENT S. BRAININ

Hewitt, Class of 1909—FRANCIS SALZANO

Brooklyn Scholarships 12—20

Founded by the Trustees in 1895, in recognition of ex-President Low's gift of a memorial building for the University Library. Three are open for competition annually to residents of Brooklyn trained either in the public or the private schools of that borough.

For 1905-06:

Class of 1906—WILBUR LARREMORE CASWELL

Class of 1908—WILLIAM HENRY ALLEN, Jr.

—LOUIS JACOB WOLFF

—IRA SKUTCH

Class of 1909—CHARLES RIVERS CARROL

GERARD ALSTON REICHLING

Section II General Scholarships awarded to applicants whose record for ability and scholarship obtained either before or after matriculation gives evidence of special fitness for the course of study which they wish to pursue. Candidates in their first year of residence at Columbia University must be strongly recommended by the college or school from which they have come, and have shown marked proficiency or promise in college work. Students not in need of financial aid cannot be considered as applicants, nor can those who through physical, mental, or moral weakness give little promise of future usefulness.

A. Open to members of any class:

Faculty Scholarships established by the Trustees..... 6

Beck Scholarship..... 1

Established in recognition of the liberality of Charles Bathgate Beck, A.B., 1877, LL.B. 1879.

Campbell Scholarships..... 2

In memory of Robert B. Campbell, 1844, and Henry P. Campbell, 1847, established by Miss Maria L. Campbell and Miss Catharine B. Campbell.

Class of 1848 Scholarships..... 2

Established through the liberality of a member of the Class of 1848.

Scholarships of the Society for Promoting Religion and Learning Scholarships..... 8-19

Founded and awarded by this Society.

B. Open only to Freshmen. The requirements for admission must be completed before matriculation. For award after entrance, applications should be filed not later than November 15. In general awards will not be made later than December 1.

Schermerhorn Scholarships..... 5

Endowed by John Jones Schermerhorn A.B. 1825.

Moffat Scholarships..... 2

Endowed by William B. Moffat, A.B. 1838; M.D. 1842.

Stuart Scholarships..... 2

Endowed in memory of Sidney Barculo Stuart, A.B. 1880; LL.B. 1882; and Eugene Talman Stuart, A.B. 1881, Ph.B. 1882, LL.B. 1883, by their grandmother, Cornelia A. Atwill.

Alumni Association Scholarships..... 4—13

Established by the Trustees in recognition of the interest that the Alumni Association has always shown in the affairs of the College.

C. For award to students not less than one year in residence:

Benefactors Scholarships. Morgan (5), Vanderbilt (5), A. A. Low (3), Cutting (2), Clark (2), Sloan (1), Parish (1), Schiff (1) —20

Established by the Trustees in 1899 in recognition of the liberal gifts for the purchase of the site on Morningside Heights received from J. Pierpont Morgan, Cornelius Vanderbilt, A. A. Low, R. Fulton Cutting, Alfred Corning Clark, Samuel Sloan, Henry Parish, Jacob H. Schiff, and others, designated collectively as "Benefactors Scholarships," of which twenty have been assigned to the College. —72

Prize of the Alumni Association

A prize of fifty dollars in money or its equivalent "to the most faithful and deserving student of the graduating class" was established in 1858 by the Association of the Alumni of Columbia College. The graduating class selects the incumbent from three names submitted to it by the Faculty; or if, ten days prior to Commencement, the class should notify the President of the University of its failure to make a selection, the award may be made by the Faculty.

Names Submitted in 1905

SAMUEL LLOYD BARRICK

MICCO MILTIADES A. FONTRIER

ROBERT LEROY (selected by Faculty for prize)

Chanler Historical Prize

By the bequest of J. Winthrop Chanler, A.B. '47, the income of \$1000 is awarded annually, on Commencement Day, to the member of the senior class of Columbia College who, in the judgment of the Faculty, shall be the author of the best original manuscript essay on the history of civil government in America, or some other historical subject.

Award of 1905

GORDON S. P. KLEEBOEG

Honorable Mention

EDWARD HENRY GREEN

Curtis Medals

Through the generosity of an associate of the late George William Curtis in the work of Civil Service Reform, an endowment fund of \$1000 has been established for the award of two medals of gold and silver for excellence in public delivery of English orations to students in Columbia College. Competitors must be either juniors or seniors in

regular standing, or in exceptional cases, and with permission of the Dean, special students taking junior or senior courses amounting to not less than 12 hours a week. The Department of English publishes about November 1 a list of subjects for the competition. Subjects not on the list may be chosen with the consent of the department provided that application be made not later than December 1. The contestants will be selected by the department at a preliminary competition which will not be open to the public. The final public competition will be held not less than two weeks later. The award will be made by judges appointed by the President.

Award of 1905

Gold Medal—HAROLD LIVINGSTON REED THOMAS, '05

Silver Medal—THOMAS M. CLARKE, '05

General Theological Seminary Prizes

Regulations as to the Seminary prizes adopted by the Protestant Episcopal Society for Promoting Religion and Learning in the State of New York, at a stated meeting held on April 25, 1900:

Notice shall be given every year of the conditions of the prizes under the old regulations (see Announcement of the College for 1900-01, page 72), and applications invited. Wherever the conditions of the preceding competition show that one or both of the prizes have not been taken for lack of applicants, notice shall at the same time be given of the competition for the prize or prizes thus open under the new regulations set forth each year in the *Announcement of Columbia College*.

The Society's Greek Seminary Prize amounts to \$30 and the Society's English Prize to \$20.

Award of 1905

Greek—STANLEY BROWN-SERMAN

English—HAROLD LIVINGSTON REED THOMAS

Award of Honors, Columbia College, 1905

(See page 201)

Departmental Honors

<i>English</i>	CURTIS LUBLIN, <i>Final</i>
	ALBERT EDWARD MAVES, <i>Junior</i>
	ISAAC MAURICE WORMSER, <i>Sophomore</i>
	JOHN EGMONT SCHERMERHORN, <i>Sophomore</i>
	MAX JOHN HERZBERG, <i>Sophomore</i>
<i>German</i>	WALTER SICHEL, <i>Junior</i>
	ABRAHAM BRODERICK COHEN, <i>Sophomore</i>
	WALTER MAX SCHWARZ, <i>Sophomore</i>
<i>Classics</i>	ALEXANDER HOLTZOFF, <i>Freshman</i>
<i>Mathematics.</i>	CLEMENT S. BRAININ, <i>Freshman</i>

General Honors

Class of 1905

ROBERT LeROY
 WINFRED CORNWALL DECKER
 GEORGE ZERDIN MEDALIE
 WALTER WESLEY MOTT
 STEWARD SLOSSON
 EDWARD HENRY GREEN
 MONTE LONDON
 MICCO MILTIADES A. FONTRIER
 STANLEY BROWN-SERMAN
 HUGH PETERS TREAT
 WILLIAM BLACKALL SIMONDS, Jr.

Class of 1906

WALTER SICHEL
 FLETCHER IRWIN KRAUSS
 STANLEY HAROLD STEINER
 WILBUR LARREMORE CASWELL

Class of 1907

ISAAC MAURICE WORMSER
 DAVID HERMAN JOSEPH
 EUGENE LYONS BONDY
 RALPH CHARLES BELCHER MOORE

Class of 1908

HENRY BLUMBERG
 ALEXANDER HOLTZOFF
 CLEMENT S. BRAININ
 GEORGE JARDINE BAGLEY
 LOUIS ELSBERG WISE
 WALTER BLIGH WOODBURY
 FRED ADOLPH HERMAN LEUCHS
 LOUIS JACOB WOLFF

Scholarships and Prizes in the School of Law

Twenty-one scholarships of the annual value of \$150 each are available annually for award to candidates for the degree of Bachelor of Laws standing in need of pecuniary aid and whose record for ability and scholarship gives evidence of special fitness for the work of the school.

The scholarships will be awarded by the Faculty at its meeting in June, immediately preceding Commencement. Scholarships not allotted at the June meeting, or becoming vacant, may be filled by the Faculty at its discretion. The awards will be made public not later than July 1.

Applications should be made in writing, not later than May 1, on blanks which will be furnished for the purpose by the Secretary of the University.

Benefactors Scholarships.—Eight Morgan and eight Vanderbilt Scholarships, known as Benefactors Scholarships, may be awarded to students who have been in the school for at least one year.

Faculty Scholarships.—Four Faculty Scholarships of the annual value of \$150 each may be awarded to members of any class who are college graduates.

Beck Prize Scholarships.—The Charles Bathgate Beck Prize Scholarship is awarded to the member of the first-year class in the Law School who, having reported himself in writing to the Dean as a candidate for this scholarship, shall pass the best examination in the subjects of the Law School course relating to Real-Estate Law. The

holder shall, provided he remains a member of the school, receive one year's income of the prize fund established by the will of Charles Bathgate Beck in equal semi-annual instalments, during the two years following the award. If two or more students pass examinations of equal merit, the income of the fund may be subdivided.

Fellowships, Scholarships, and Prizes in the College of Physicians and Surgeons

Alumni Association Fellowships

Provision is made annually by the Alumni Association of the College of Physicians and Surgeons for three fellowships, tenable for one year and of an annual value of \$500, open to graduates who have shown special aptitude for scientific research in the Departments of Anatomy, Physiology, and Pathology. Appointments are made by the Executive Committee of the Alumni Association from candidates presented by the professors of Anatomy, Physiology, and Pathology.

Incumbents are expected to devote themselves to scientific research in the department which they may elect, either at Columbia University, where they enjoy free tuition and the privileges of the laboratories or in other institutions either here or abroad, at their own expense, and at the end of the year's work to present to the Association a thesis containing evidence of independent or original work in their special department.

For 1905-06:

In Pathology—OLIVER SUMNER STRONG

In Anatomy—EDWARD A. SPITZKA

Proudfit Fellowship in Medicine

The Maria McLean Proudfit Fellowship, endowed by the late Alexander Moncrief Proudfit, A.B. '92, for the encouragement of advanced studies in medicine, is open to any son of native-born American parents, a graduate in medicine, who shall pursue advanced studies in internal medicine under the direction of the Medical Faculty of the University, and who shall, while enjoying such fellowship, remain unmarried, and shall be appointed by the University Council upon the recommendation of the Faculty of Medicine. Appointment shall be made every four years, upon terms to be designated by the Faculty. The Fellow shall carry on his studies under the direction of the Faculty of Medicine.

Proudfit Fellow in Medicine:

1904-06 LINSLEY RUDD WILLIAMS

Alonzo Clark Scholarship

By the will of the late Alonzo Clark, M.D., LL.D., for many years

President of the College of Physicians and Surgeons, and Professor of Pathology and Practical Medicine, it has been placed in the power of the Faculty to bestow a scholarship, with an income of about \$700 a year, for the purpose of promoting the discovery of new facts in medical science.

Award of 1905-06

AUGUSTUS WADSWORTH

Prizes

The following prizes are awarded for the best medical essay submitted under the conditions named in the statement of each prize, and, in addition, under the following general regulations:

Each essay must be marked with a device or motto, and accompanied by a sealed envelope similarly marked and containing the name and address of the author, and a written statement that the essay contains the result of original investigation made by him, that it is not the work of more than one author, and that it has not at the same time been submitted for any other prize. If in any case no essay is received that is deemed sufficiently meritorious, the prize will not be awarded.

Alumni Association Prize

The Alumni Association Prize of \$500 is awarded biennially (next award, Commencement, 1906) to an alumnus of the College of Physicians and Surgeons for the best medical essay submitted upon any subject that the writer may select. Essays should be sent to the Secretary of the Alumni Association of the College of Physicians and Surgeons on or before April 1 of the year of award.

Cartwright Prize of the Alumni Association

The Cartwright Prize of \$500 was endowed by a bequest of \$10,000 left by Benjamin Cartwright, and is offered for competition in alternate years with the Alumni Association Prize (next award, Commencement, 1907).

It is awarded on the same terms as the latter, except that it is open to universal competition.

Award of 1905

CHARLES JUDSON HERRICK

Joseph Mather Smith Prize

The fund for this prize was given by the relatives, friends, and pupils of the late Dr. Smith, as a memorial of his services as Professor in the College of Physicians and Surgeons from 1826 to 1866. Under the provisions of the trust an annual prize of \$100 is awarded for the best essay on the subject of the year, presented by an alumnus of the College. The competing essays should be sent to the Dean of the College of Physicians and Surgeons on or before March 10.

Stevens Triennial Prize

The Stevens Triennial Prize, value \$200, established by the late Alexander Hodgdon Stevens, M.D., formerly President of the College of Physicians and Surgeons, is open for universal competition.

The Dean of the Medical Faculty, the President of the Alumni Association of the College of Physicians and Surgeons, and the Professor of Physiology, are, ex-officio, the administrators of the prize. Essays must be in the hands of the first-named on or before January 1, 1906.

Scholarships**OPEN TO CANDIDATES FOR THE DEGREE OF M.D.**

The award of these scholarships is made only to students whose record for ability and scholarship gives evidence of special fitness and who need pecuniary aid to obtain an education.

Applications for scholarships should be made in writing, on blanks which will be furnished for the purpose by the Secretary of the Faculty, not later than May 1, as any received later than this may fail to receive consideration.

Scholarships are available annually and tenable for one year with an annual value of \$250 each.

Harsen Scholarships

The income of a fund established by the late Jacob Harsen, M.D., in 1859, for the purpose of "promoting the study of Medical and Surgical Practice," has, under an order of the Supreme Court, been made available for the award of five scholarships to students in the College of Physicians and Surgeons, in lieu of the Harsen prizes heretofore awarded. Of these scholarships, which are known as the "Harsen Scholarships," two may be awarded to students taking the second year in the medical course; two to students in their third year; and one to students in their fourth year, provided that the aggregate of the stipends of such scholarships shall not exceed the income earned by the fund during the preceding year.

Faculty Scholarships

These are four in number and may be awarded to members of any class.

Vanderbilt Scholarships

In recognition of the liberal gifts of William H. Vanderbilt to the College of Physicians and Surgeons, four scholarships, to be known as the "William H. Vanderbilt Scholarships," have been established.

Scholarships and Prizes in the Schools of Mines, Chemistry, and Engineering

Thirty-five scholarships of the annual value of \$250 each are available annually for award to meritorious candidates for professional

degrees in Applied Science, who are in good academic standing, and in need of pecuniary aid.

The awards will be made not later than July 1 by the Committee on Scholarships. Scholarships not allotted at this time, or becoming vacant, shall be filled by the Committee at its discretion.

Scholarships granted in the first year of a student's connection with the University shall be for a half-year only, and shall be continued to those candidates only who have maintained a satisfactory academic standing during that period. Students already holding scholarships in any year must make application in the regular form if they desire to be considered for the succeeding year. No student already holding a scholarship can be considered as a candidate for a second one in that same year.

In recognition of the liberal gifts for the purchase of the site on Morningside Heights which have been received from J. Pierpont Morgan, Cornelius Vanderbilt, D. Willis James, Morris K. Jesup, Samuel D. Babcock, Oswald Ottendorfer, and **Benefactors** others, the Trustees have established a number of scholarships, twenty-seven of which are open to students in the Schools under the Faculty of Applied Science, as follows: seven Morgan, seven Vanderbilt, ten James, one Jesup, one Babcock, and one Ottendorfer. These scholarships may be awarded to students who have been in the University for at least one year.

In addition to the above, eight Faculty scholarships may be awarded to members of any class. **Faculty**

Marcus Daly in Mining Engineering

The Marcus Daly Scholarship of the annual value of \$1000, maintained by Mrs. James W. Gerard in memory of her father, is open to that worker or descendant of a worker in the Montana mines who passes the best competitive entrance examinations to the course in mining engineering. The winner of the scholarship shall hold the same throughout his course in mining engineering, subject to the same conditions of reappointment as those imposed upon the holders of competitive scholarships in Columbia College. As soon as the term of one holder of the scholarship is about to expire, another competitive examination is held.

Scholar for 1905

HENRY FARMER DAVIS

Illig Medals

A bequest of \$2000 left by William C. Illig, E.M. '82, provides for the annual award of medals at Commencement to the student or students in the graduating class of one of the Schools of Applied Science, who shall, in the judgment of the Faculty, have merited the same by commendable proficiency in their regular studies.

Award of 1905

FREDERIC LEAROYD HUMPHREY
 FREDERICK JAMES POWELL
 FREDERICK ELLIS WARD

Darling Prize

The Edward A. Darling Prize in Mechanical Engineering, the income of \$1000, bequeathed by Edward A. Darling, formerly Superintendent of Buildings and Grounds, shall be awarded annually to the most faithful and deserving student of the graduating class in mechanical engineering, the recipient of the prize to be chosen by ballot by members of the graduating class in the Course in Mechanical Engineering from among three names to be chosen by the Faculty of Applied Science.

Award of 1905

MELACH JOSEPH NUSIM

Scholarships and Fellowships in the School of Architecture*Columbia Fellowship*

The Columbia Fellowship in Architecture, the net income of \$13,000, established in recognition of the gifts of F. Augustus Schermerhorn, E.M. '68, to the Department of Architecture, is open each year to graduates of the three preceding years, and is awarded in June as the result of a competition in design. The winner is required to spend a year in the School as a graduate student in Design. The value of this Fellowship in 1905 was \$533.

Columbia Fellows in Architecture. (NOTE—Until 1905 this was a travelling fellowship awarded biennially):

1890-91	ARTHUR A. STOUGHTON
1892-93	HORACE B. MANN
1894-95	SETH JUSTIN TEMPLE
1896-97	WILLIAM KINNE FELLOWS
1898-99	WILLIAM CLARK AYRES
1900-01	THEODORE BLONDEL, Jr.
1902-03	ARTHUR WARE
1904-05	HUBERT VAN WAGENEN, Jr.
1905-06	THOMAS WILLIAM LUDLOW

McKim Fellowships

The McKim Fellowship in Architecture, endowed by gift of Charles F. McKim of \$20,000, is open to graduates who have received their degrees within six years preceding its bestowal, and is awarded in May of each year as the result of a competition in design. The holder is required to spend a year in foreign travel and study. Any incumbent who has displayed marked proficiency and promise is eligible to reappointment for one year, but no more. The value of this Fellowship in 1905 was \$820.

McKim Fellows in Architecture:

1891-92	A. C. M. DEL MONTE ALEXANDER M. WELCH
1893-95	GEORGE OAKLEY TOTTEN, Jr. WILLIAM LINCOLN THORNE
1895-97	JOHN RUSSELL POPE
1897-98	HARRY ALLAN JACOBS
1898-99	JOHN RUSSELL POPE HARRY ALLAN JACOBS
1899-1901	LIVINGSTON PELL WILLIAM EDWARD PARSONS
1901-02	CHARLES LUDWIG OTTO EDWARD NECARSULMER
1903-04	FRANCIS AUGUSTUS NELSON GEORGE WASHINGTON JACOBY
1904-05	No incumbent
1905-06	LUCIEN EASTER SMITH

Perkins Fellowship

A travelling fellowship, the net income from a fund of \$5700, from the bequest of the late Willard P. Perkins, is awarded every fourth year, the next award being in 1906. The conditions of award and the purposes of the fellowship are the same as for the Columbia and McKim Fellowships.

Perkins Fellow:

1902-03	CHARLES SUMNER KAISER
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Scholarships

Four scholarships of the value of \$200 are awarded in the School of Fine Arts, under the same general conditions as those in the Schools of Applied Science.

BARNARD COLLEGE*Trustees' Competitive Scholar*¹*Brooklyn Scholars*²

FORENCE ATWOOD BLACK
JOSEPHINE AGNES VANDERWOORT DEMPSEY
SARA ROME

Departmental Honors

<i>Classics</i>	ELIZABETH BUCKINGHAM, <i>Final</i>
	ELIZABETH IVERSON TOMS, <i>Junior</i>
	ELSIE SCHACHTEL, <i>Sophomore</i>

¹ The Trustees' Competitive Scholarship was won by Florence Atwood Black, who also won a Brooklyn Scholarship and chose to retain the latter rather than the Trustees' Competitive Scholarship.

² Other Brooklyn Scholarships which were not won by competitive entrance examinations reverted to the Scholarship Committee and were awarded as non-competitive Scholarships.

<i>Economics</i>	EMILIE JOSEPHINE HUTCHINSON, <i>Final</i>
<i>English</i>	EDWINA LEAH LEVY, <i>Final</i> BLANCHE HORTENSE REITLINGER HELEN BABETTE LOEB, <i>Freshman</i> ANNA LAURIE MANLEY, <i>Freshman</i>
<i>Mathematics</i>	GEORGINA GRACE BENNETT, <i>Final</i> ANNA SARAH TATTERSHALL MABEL EMMA BROWNE, <i>Junior</i>
<i>Philosophy</i>	LILY SYLVESTER MURRAY, <i>Final</i>
<i>Zoölogy</i>	HELEN LETITIA PALLISER, <i>Final</i>

Kohn Mathematical Prize

ANNA SARAH TATTERSHALL

Hermann Botanical Prize

HELEN LETITIA PALLISER

TEACHERS COLLEGE

Fellowships in Education

Teachers College awards annually four or more fellowships and eight or more graduate scholarships.

Fellows for 1905-06

WILLIAM ANTHONY AERY	WILLIAM CARL RUEDIGER
FREDERICK GORDON BONSER	DAVID SAMUEL SNEDDEN
LIDA BELL EARHART	ALBERT ALEXANDER SNOWDEN
WILLIAM THOMAS FLETCHER	ALVA WALKER STAMPER
ARTHUR JULIUS JONES	ANCEL ROY MONROE STOWE
JOHN ROBERT SWENSON	

Graduate Scholars for 1905-06

JULIAN ASHBY BURRUSS	VERNON GRIFFITH MAYS
HERBERT THOMAS COLEMAN	FRANKLIN CLARK MCGILL
JOHN WALTER HECKERT	MARIE OLLER
WILLIAM CYPRIAN HOPKINS	EDITH MAY STOCKTON
GERHARD RICHARD LOMER	ALBERT STOTLAR

SPECIAL FUNDS

The following funds have been given to the Trustees from time to time and are held by them for the purposes specified:

GEGBHARD FUND:

Bequest of Frederick Gebhard of \$20,000, for the endowment of a professorship in the German Language and Literature. 1843

FUND OF THE SOCIETY FOR PROMOTING RELIGION AND LEARNING:

Gift (through Professor McVickar) of \$1000, for the endowment of two prizes, "The Society's Greek Seminary Prize," and "The Society's English Seminary Prize." 1852

HARSEN PRIZE FUND:

Bequest of Jacob Harsen, M.D., Class of 1825, of \$31,114.10, for the endowment of prizes to be awarded to students in the College of Physicians and Surgeons. 1859

MOFFAT SCHOLARSHIP FUND:

Bequest of William B. Moffat, M.D., Class of 1838, of \$2000, for the endowment of scholarships. 1862

STEVENS PRIZE FUND:

Gift of Dr. A. H. Stevens, Professor of Surgery, 1860-1867, of \$1899.88, for the endowment of a prize. 1866

JOSEPH MATHER SMITH PRIZE FUND:

Subscription fund of \$2337.81, as a memorial of Dr. Smith, for the endowment of a prize in the College of Physicians and Surgeons. 1874

CHANLER PRIZE FUND:

Bequest of John Winthrop Chanler, Class of 1847, of \$1000, for the endowment of an essay prize. 1877

SCHERMERHORN SCHOLARSHIP FUND:

Bequest of John Jones Schermerhorn, Class of 1825, of \$5000, for the endowment of scholarships. 1877

TYNDALL FELLOWSHIP FUND:

Gift of John Tyndall, LL.D., Professor of Natural History in the Royal Institution of Great Britain, of \$10,945.50, for the endowment of a fellowship in Physics. 1885

ALONZO CLARK SCHOLARSHIP FUND:

Gift of \$14,000 as a memorial of Alonzo Clark, President of the College of Physicians and Surgeons, 1875-1884, for the endowment of a scholarship. 1887

MCKIM FUND:

Gift of Charles F. McKim of \$20,000, for the endowment of travelling fellowships in Architecture. 1889

COLUMBIA FELLOWSHIP IN ARCHITECTURE FUND:

Gift of F. Augustus Schermerhorn, Class of 1868, of \$13,000, to the School of Architecture, applied to the endowment of a travelling fellowship in Architecture. 1889

BARNARD FUND FOR THE INCREASE OF THE LIBRARY:

Bequest by President Barnard of \$59,501.64, and augmented by a bequest by his widow, Margaret M. Barnard, of \$16,231.67, to endow a fund for the purchase of books, especially those relating to physical or astronomical science, and for the award of a medal for discovery in Physics or Astronomy. 1889 and 1902

BARNARD FELLOWSHIP FUND:

Bequest by President Barnard of \$10,000, for the endowment of a fellowship for encouraging scientific research. 1889

DACOSTA FUND:

Bequest of Charles M. DaCosta, Class of 1855, Trustee 1886-1890, of \$100,000, has provided \$86,576.83, applied to the endowment of the DaCosta Professorship of Zoölogy; and of \$20,000 used for fitting up the DaCosta Laboratory of Zoölogy. 1890

SLOANE MATERNITY HOSPITAL FUND:

Gift of William D. Sloane and Emily Thorn Vanderbilt Sloane, of \$475,000, for the endowment of the Hospital. 1890 }
1904 }

VANDERBILT CLINIC ENDOWMENT FUND:

Gift of Cornelius Vanderbilt, William K. Vanderbilt, Frederick W. Vanderbilt, and George W. Vanderbilt, of \$115,000, for the endowment of the Clinic. 1890

AVERY ARCHITECTURAL FUND:

Gift of Samuel P. Avery and Mary Ogden Avery of \$30,000, in memory of their deceased son, Henry Ogden Avery. The income to be applied to the purchase of books relating to architecture, decorations, and allied arts. 1890

LOUBAT FUND:

Gift of Joseph F. Loubat of \$7000, for the endowment of two prizes of \$1000 and \$400 to be awarded once in every five years. See page 479. 1892

TROWBRIDGE FUND:

Gift of \$10,000, for the endowment of a fellowship in Engineering as a memorial of William P. Trowbridge, Ph.D., LL.D., Professor of Mining Engineering, 1877-1892,¹ subject at present to a life interest. 1893

PULITZER SCHOLARSHIP FUND:

Gift of Joseph Pulitzer of \$100,000, for the endowment of scholarships. 1893

BENNETT PRIZE FUND:

Gift of James Gordon Bennett of \$1000 for the endowment of an essay prize. 1893

HENRY DRISLER CLASSICAL FUND:

Gift of \$10,000, presented by Seth Low, LL.D., Class of 1870, in commemoration of the semi-centennial of Professor Drisler in the service of the College, for the endowment of a fund for the purchase of books and works of art for the Greek and Latin departments. 1894

GRANT SQUIRES FUND:

Gift of Grant Squires, Class of 1885, of \$1050, for the endowment of an essay prize. 1895

STUART SCHOLARSHIP FUND:

Gift of Mrs. Cornelia A. Atwill of \$6000, for the endowment of the "Stuart Scholarships" in memory of her grandsons, Sidney Barculo Stuart, Class of 1880, and Eugene Talman Stuart, Class of 1881 1896

ALEXANDER I. COTHEAL FUND FOR THE INCREASE OF THE LIBRARY:

Gift of Mrs. Samuel R. Lawrence and Mrs. James R. Swords of \$6000, in memory of their brother, Alexander I. Cotheal, for the endowment of a fund for the purchase of books in the Oriental languages, or relating to Oriental subjects. 1896

ROBERT CENTER FUND FOR INSTRUCTION IN MUSIC:

Gift of Mrs. Mary Elizabeth Ludlow of real estate and securities valued at \$178,046.50, for the endowment of a fund for instruction in music as a memorial of her son, Robert Center, applied to the maintenance of a professorship. 1896

STUDENTS' LOAN FUND:

Gift of Jacob H. Schiff of \$5000, for the aid of needy students. 1896

H. C. BUNNER PRIZE FUND:

Gift of \$1000, for the endowment of an essay prize. 1896

ILLIG FUND:

Bequest of William C. Illig, Class of 1882 (S. of M.), of \$2000, for the endowment of scholarship medals. 1897

¹ Income paid to Mrs. Trowbridge during pleasure of Trustees.

MOSENTHAL FELLOWSHIP FUND:

Gift of friends of the late Joseph Mosenthal of \$7500, to found a fellowship in Music. 1898

PERKINS FELLOWSHIP FUND:

Bequest of Willard B. Perkins of \$5700, for a travelling fellowship in Architecture, awarded quadrennially. 1898

SCHIFF FELLOWSHIP FUND:

Gift of Jacob H. Schiff of \$15,000, to found a fellowship to be awarded by the Faculty of Political Science on the nomination of the donor or his eldest living male descendant. 1898

SEIDL FUND:

The proceeds, amounting to \$12,000, of a memorial performance (March 23, 1899), in honor of the late Anton Seidl. The income to be paid to Mrs. Seidl during her lifetime, and thereafter "to be applied to a Fellowship in Music in Columbia University." 1899

WARING MUNICIPAL FUND:

The Chamber of Commerce of the State of New York, in 1898, raised by public subscription the sum of \$100,000, to perpetuate the memory of the late Col. George E. Waring. The income thereof to be paid to the widow and daughter of Colonel Waring during their lifetime, and thereafter to be devoted to instruction in municipal affairs. 1899

FUND FOR THE ENDOWMENT OF THE ABRAHAM JACOBI WARD FOR CHILDREN IN ROOSEVELT HOSPITAL:

Gift of an anonymous donor of \$50,000, "to endow a ward for children in the Roosevelt Hospital." 1899

BECK FUNDS:

The late Charles Bathgate Beck, A.B. Class of 1877, LL.B. Class of 1879 (who died in 1894), bequeathed the sum of \$10,000: \$2000 to found one scholarship in Columbia College; \$8000 to endow a prize in the Law School. 1899

CURTIS FUND:

Gift of the George William Curtis Memorial Committee of \$10,000, to establish the George William Curtis Fellowship in the School of Political Science. 1899

DYCKMAN FUND:

Gift of Isaac Michael Dyckman of \$10,000, in memory of his uncles, Dr. Jacob Dyckman and Dr. James Dyckman, both of the College of Physicians and Surgeons, to establish the "Dyckman Fund for the Encouragement of Biological Research." 1899

ALEXANDER MONCRIEF PROUDFIT FELLOWSHIP FUND:

Legacy of \$15,000 from the late Alexander Moncrief Proudfit, to found the Alexander Moncrief Proudfit Fellowship in Letters.
1899

MARIA MCLEAN PROUDFIT FELLOWSHIP FUND, SCHOOL OF MEDICINE:

Legacy of \$15,000 from the late Alexander Moncrief Proudfit, to found the Maria McLean Proudfit Fellowship in Medicine.
1899

TRUST FUND FOR PSYCHOLOGY:

Gift of \$100,000 from John D. Rockefeller, as an endowment of the head professorship of the Psychological Department of Columbia University.
1899

CARL SCHURZ FELLOWSHIP FUND:

Fund of \$10,000 from the Carl Schurz Fund Committee, to establish a fellowship in honor of Carl Schurz.
1900

CARL SCHURZ LIBRARY FUND:

Fund of \$10,000 from the Carl Schurz Fund Committee, established in honor of Carl Schurz, the income to strengthen the Library in the field of the German Language and Literature.
1900

LAW BOOK TRUST FUND:

Created by act of the Trustees on March 5, 1900, by the consolidation of the Alexander Cole Gift (\$1500); John Jay Jenkins Legacy (\$500); John McKeon Fund (\$1000); Sampson Simpson Fund (\$1000); and the Edgar J. Nathan Gift (\$250); total, \$4250, the income to be applied to the purchase of law books.
1900

CAMPBELL SCHOLARSHIP FUND:

Gifts of \$3000 each from Miss Maria L. Campbell and Miss Catharine B. Campbell, for the establishment of two scholarships in the College, in memory of Robert B. Campbell of the Class of 1844, and Henry P. Campbell of the Class of 1847.
1900

GERMAN LECTURE FUND:

Gifts to the sum of \$1000 for an endowment of Public Lectures in German at the University.
1901

EATON PROFESSORSHIP FUND:

Bequest of the late Dorman B. Eaton of \$100,000, to endow and maintain a Professorship of Administrative Law and Municipal Science.
1901

DEAN LUNG PROFESSORSHIP IN CHINESE FUND:

Gift of anonymous friends, of \$213,000 towards the founding of a Department of Chinese Languages, Literatures, Religion, and Law, and especially for the establishment of the Dean Lung Professorship of Chinese.
1901

CLASS OF 1848 SCHOLARSHIP FUND:

Gift of \$10,000 of an anonymous friend to found two scholarships in the College. 1902

GEORGE WILLIAM CURTIS MEDALS FUND:

Gift of \$1000 from an associate of George William Curtis in the Civil Service Reform work to establish this fund. 1902

PHILOLEXIAN CENTENNIAL WASHINGTON PRIZE FUND:

Gift to the Philolexian Society from J. Ackerman Coles, Class of 1864. The accumulated interest is to be expended every four years for a duplicate of the life-size bronze bust of George Washington, modelled from life at Mount Vernon, by Jean Antoine Houdon, to be cast at the Barbedienne Foundry, Paris, France. The bust will be given to that member of the Philolexian Society, who, in the opinion of the President of the University, the President of the Society, and a third man of their choosing, shall be deemed most worthy, upon his delivery of an original patriotic address. 1902

PHŒNIX LEGACY:

Amounting at present to \$178,597.08, being on account of one-third part of the residuary estate of the late Stephen Whitney Phoenix, bequeathed to Columbia College in 1881. 1902

JULIUS BEER LECTURE FUND:

Legacy of the late Julius Beer of \$10,000 to establish this fund. 1903

JAMES S. CARPENTIER FUND:

Gift of \$125,000 from General Horace W. Carpentier of the Class of 1848, in memory of his brother, James S. Carpentier, for the benefit of the Law School. 1903

GUSTAV GOTTHEIL FELLOWSHIP FUND:

Gift of \$10,000 from Temple Emanu-El to establish a Fellowship, the holder to be nominated by the Professors in the Semitic Languages. 1903

LOUBAT PROFESSORSHIP FUND:

Gift of \$100,000 from Joseph F. Loubat to establish the Loubat Professorship in American Archæology. 1903

RICHARD BUTLER SCHOLARSHIP FUND:

Gift of \$5000 from Mrs. Richard Butler in memory of her deceased husband, Richard Butler, open to students born in the State of Ohio. 1903

DARLING PRIZE FUND:

Bequest of the late Edward A. Darling, formerly Superintendent of Buildings and Grounds of \$1000 to endow an annual prize in the School of Engineering. 1903

JOSEPH PULITZER FUND FOR SCHOOL OF JOURNALISM:

Gift of \$1,000,000 from Joseph Pulitzer to establish and endow a School of Journalism in Columbia University. 1903

R. S. CARPENTIER FUND:

Gift of \$100,000 from General H. W. Carpentier towards a professorship in the Medical School, in memory of Reuben S. Carpentier. 1904

CORNELIUS HEENEY GOTTSBERGER SCHOLARSHIP FUND:

Bequest of Ellen Josephine Banker of \$9500 to establish a scholarship in memory of her deceased brother, Cornelius Heenev Gottsberger. 1904

PHILOLEXIAN PRIZE FUND:

Fund of \$1326.80 from the Philolexian Society, the income to be paid to the Society for prizes. 1904

TOPPAN PRIZE FUND:

Gift of \$4000 from Mrs. Sarah M. Toppan to endow in memory of her late husband, Robert Noxon Toppan, a prize in the School of Law. 1904

ERNEST KEMPTON ADAMS FUND FOR PHYSICAL RESEARCH:

Gift of \$50,000 from Edward D. Adams, in memory of his son, the late Ernest Kempton Adams. 1904

GARTH MEMORIAL FUND:

Gift of \$16,250 from Horace E. Garth to establish a fellowship in Political Economy in memory of his son, the late Granville W. Garth. 1904

GUY B. MILLER FUND:

Bequest of the late Guy B. Miller of \$10,000, of the Class of 1898, College of Physicians and Surgeons, for general purposes of the Medical School. 1904

SCHIFF PROFESSORSHIP FUND:

Gift of \$100,000 from Jacob H. Schiff for the endowment of a Professorship of Social Economy in order to make possible a close affiliation between Columbia University and the New York School of Philanthropy. 1905

DIRECTORY OF OFFICERS

B. — Barnard College. Ea. — East Hall. E. H. — Earl Hall. E. — Engineering. F. — Fayerweather. Gym. — Gymnasium. H. — Havemeyer.	H. M. S. — Horace Mann School. L. — Library. M. — School of Mines. P. & S. — College of Physicians and Surgeons. Phar. — College of Pharmacy S. — Schermerhorn.	S. M. H. — Sloane Maternity Hospital. Sp. S. — Speyer School. T. — Teachers College. U. — University. V. C. — Vanderbilt Clinic. W. — West.
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NAME	OFFICE HOURS	OFFICE	RESIDENCE
Abbe, R. Clin. Lect.		P. & S.	13 W. 50
Abbott, A. Tr.		H. M. S.	530 W. 124
Abbott, Julia W. Asst.		H. M. S.	
Adler, F. Prof.			152 W. 77
Aldrich, J. Clin. Asst.		V. C.	164 W. 81
Alline, Anna L. Lect.		T.	402 W. 124
Andrews, B. R. Asst.		T.	528 W. 123
Anthony, Kate S. Instr.		H. M. S.	2337 Broadway
Arendt, M. Lect.	M. W. 9-10; F. 10-11		
Arnold, W. W. Tr.		503 E.	1851 Seventh ave.
Atwood, C. E. Clin. Asst.		H. M. S.	209 W. 118
Auchincloss, H. Dem.		V. C.	10 W. 16
Ayer, J. C. Asst. Instr.		P. & S.	24 E. 48
		P. & S.	31 W. 36
Bacon, Georgia F. Tr.		H. M. S.	44 Irving pl.
Bacon, G. Prof.		P. & S.	47 W. 54
Bagster-Collins, E. W. Adj. Prof.	Tu. Th. 10- 10.30		
Bailey, F. R. Adj. Prof.		231 T.	522 W. 123
		P. & S.	1165 E. Jersey, Eliza- beth, N. J.
Bailey, P. Clin. Lect.		P. & S.	52 W. 53
Baker, C. M. Tr.		H. M. S.	157 W. 105
Baker, F. T. Prof.	M. W. 10- 10.30; S. 9.30	T.	Park Hill, Yonkers, N. Y.
			294 Manhattan ave.
Baker, G. H. Emer. Lib.		H. M. S.	140 W. 87
Baker, Helen B. Tr.		T.	
Baldwin, Elizabeth G. Lib.			42 W. 36
Ball, A. B. Emer. Prof.		136 B.	507 W. 124
Ball, Margaret E. Asst.	Tu. Th. 2-3	Am. Mus.	
Bandelier, A. F. Lect.		Nat'l History	101 W. 78
Banker C. E. Asst.		P. & S.	148 W. 131
Bargy, H. Instr.	Tu. Th. 2.30	305 W.	235 W. 109
Barnes, Shirley, Instr.		T.	420 W. 118
Barnum, Edith C. Tr.		H. M. S.	151 W. 105

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Barry, T. J. Clin. Asst.		V. C.	137 E. 49
Bastedo, W. A. Instr.		P. & S.	120 W. 58
Batchelder, Mildred I. Tr.		H. M. S.	415 W. 118
Bayles, G. J. Lect.		405 L.	404 Main, Orange, N. J.
Beach, W. H. Asst.		Gym.	
Beans, H. T. Tutor	Tu. 11-12	512 H.	361 W. 123
Beard, C. A. Lect.	M. 10-11	322 U.	439 W. 123
Benns, C. P. Instr.	M. 12.30	125 T.	416 W. 118
Benton, Eliza, Asst.		T.	510 W. 124
Berg, H. W. Instr.		P. & S.	923 Madison ave.
Berg, W. N. Asst.		P. & S.	331 E. 88
Berkey, C. P. Tutor		302 S.	2373 Seventh ave.
Bickham, W. S. Asst. Instr.		P. & S.	448 Madison ave.
Bigelow, M. A. Adj. Prof.	Tu. 10; Th. 3	300 T.	Crugers, N. Y.
Bigongiari, D. Asst.	Tu. 10-11	308 Ea.	131 Sands, Bklyn.
Biklé, C. E. Adj. Prof.	Th. 3-4	211 T.	Park Hill, Yonkers, N. Y.
Bingham, A. W. Asst. Dem.		P. & S.	266 W. 88
Black, A. Instr.	Tu. Th. S. 10-12	507 E.	521 W. 150
Blake, J. A. Prof.		P. & S.	601 Madison ave.
Blanchard, Edith, Asst.		Sp. S.	418 W. 118
Blodgett, F. J. Clin. Asst.		V. C.	140 W. 72
Blow, Susan E. Lect.		T.	
Boag, E. T. Asst. Reg.		P. & S.	3 Lenox ave., White Plains, N. Y.
Boas, F. Prof.	Tu. Th. 12	405 S.	123 W. 82
Bogert, M. T. Prof.	M. Tu. Th. F. 2.30-4	408 H.	422 W. 154
Botsford, G. W. Adj. Prof.	M. S. 11-11.30 W. 11-11.30	321 U. 340 B.	48 So. Ninth ave., Mt. Vernon, N. Y.
Bovaird, D. Tutor		P. & S.	126 W. 58
Bowman, J. G. Asst.	M. 1.10; W. 11.10	310 U.	Livingston Hall
Bradley, W. L. Clin. Asst.		V. C.	55 W. 75
Braun, W. A. Tutor	Tu. F. 11	113 B.	110 W. 141
Brewer, G. E. Prof.		P. & S.	61 W. 48
Brewster, W. T. Adj. Prof.	Tu. Th. 12-1; S. 9-10	138 B.	628 W. 114
Brinsmade, D. B. Clin. Asst.		V. C.	564 West End ave.
Britton, N. L. Emer. Prof.			N. Y. Botanical Gar- den, Bronx
Brooks, F. E. Tr.		H. M. S.	501 W. 113
Brooks, Harriet, Tutor	W. 3-4	232 B.	420 W. 118
Brooks, Mrs. Marie K. Tr.		H. M. S.	501 W. 113
Brouner, W. B. Clin. Asst.		V. C.	256 W. 12
Brown, T. C. Asst.			110 Hartley Hall
Brugman, A. F. Clin. Asst.		V. C.	220 W. 139
Bull, W. T. Emer. Prof.			35 W. 35
Bumpus, H. C., Dir. Am. Mus. of Nat'l Hist.			
Burch, T. H., Jr. Asst.*	M.-F. 1-4	603 E. T.	106 W. 57 514 W. 122
Burchenal, Elizabeth, Instr.	Tu. Th. 12-12.30	303 L.	633 W. 115
Burdick, F. M. Prof.			

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Burgess, J. W. Prof. and Dean, Sch. Pol. Sci.	M.-Th. 3- 4.30	404 L.	323 W. 57
Burr, W. H. Prof.	Tu. F. 10-11	401 E.	151 W. 74
Burton-Opitz, R. Adj. Prof.		P. & S.	102 E. 75
Buschek, H. A. Tr.		H. M. S.	209 W. 118
Bush, W. T. Lect.	W. 11.30- 12.30	420 L.	167 Joralemon, Bklyn.
Bussey, W. H. Tutor	M.W.F. 9-10	309 B.	520 W. 123
Butler, Eliza R. Tr.		H. M. S.	119 E. 30
Butler, N. M. Prest.	M. Th. F. 11- 12; 1.30- 3.30	213 L.	119 E. 30
Caldwell, A. Lect.	Tu. 1.30	406 W.	1006 Hartley Hall
Calhoun, Mary E. Tr.		H. M. S.	
Calkins, G. N. Prof.	M.-F. 9-10	604 S.	
Campbell, W. Instr.	Tu. F. 1.30- 2.30	503 M.	908 Livingston Hall
Canfield, G. F. Prof.	Tu. Th. 11- 12	302 L.	49 Wall
Canfield, J. H. Lib.	M.-F. 10- 12.30	201 L.	Graham Court, 116 and Seventh ave.
Cardiff, I. D. Asst.	Tu. Th. 9- 11.30	504 S. V. C.	203 W. 120 126 E. 34
Carling, J. Clin. Asst.			
Carpenter, G. R. Prof.	Tu. Th. 1-2; S. 12	508 F.	419 W. 118
Carpenter, W. H. Prof.	Tu. Th. 2	316 U.	253 W. 100
Carr, M. L. Clin. Asst.		V. C.	353 W. 57
Carter, Mrs. Ida C. Tr.		Sp. S.	449 W. 123
Cartwright, O. G. Tr.		H. M. S.	209 W. 118
Cattell, J. McK. Prof.		412 S.	Garrison, N. Y.
Chambers, V. J. Tutor	Daily 2-4	405 H.	527 W. 124
Chandler, C. F. Prof.	M.W.F. 12.30	303 H.	51 E. 54
Clark, J. B. Prof.	Tu. Th. 3- 3.30	204 W. V. C.	616 W. 113 33 McKeel ave., Tarry- town, N. Y.
Clark, J. E. Clin. Asst.		V. C.	62 W. 58
Clark, L. P. Clin. Asst.		P. & S.	200 W. 57
Clarke, W. C. Instr.		V. C.	
Cleghorn, C. D. Clin. Asst.		Sp. S.	
Closs, Rachel E. Tr.		Phar.	115 W. 68
Coblentz, V. Prof.		H. M. S.	417 W. 120
Cochran, Katharine M. Tr.			308 W. 94
Cohn, A. Prof.	M. W. 10-11	309 W.	
Cole, F. N. Prof.	W. 10-11	406 E.	
Coley, W. B. Clin. Lect.		P. & S.	5 Park ave.
Coll, A. P. Clin. Asst.		V. C.	141 Lexington ave.
Cooley, Anna M. Tutor		T.	134 W. 95
Cornell, Grace A. Instr.		T.	33 Alsop, Jamaica, N. Y.
Cox, R. Asst. Instr.		P. & S.	547 Madison ave.
Cragin, E. B. Prof.		P. & S.	10 W. 50
Crampton, H. E. Prof.	Tu. Th. 2-3	611 S. 408 B.	201 W. 122

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Crane, W. R. Instr.	M.-F. 9-12; 4-5	408 M. T.	36 Winthrop, New Rochelle, N. Y. 536 W. 114
Crawford, Caroline, Instr.	Tu. Th. 11- 12	503 E. 506 H.	14 W. 45 195 Clinton, Bklyn.
Crocker, F. B. Prof.	Tu. 11-12	P. & S.	201 W. 54
Cruser, F. V. D. Lect.	Tu. Th. 2.10- 4.10	503 S.	202 W. 119
Cunningham, R. H. Instr.		P. & S.	33 W. 69
Curtis, C. C. Tutor			327 W. 58
Curtis, E. Emer. Prof.		V. C.	25 W. 50
Curtis, J. G. Prof.		T.	1230 Amsterdam ave.
Dade, C. T. Clin. Asst.		P. & S.	852 Lexington ave.
Daniell, Lucetta, Directress	T. C.		
Darrach, W. Dem.	M. W. Th. 9- 12	210 F. Gym.	509 W. 124 420 W. 160
Davis, B. Tutor		201 E.	417 W. 114
Davis, J. A. Asst.	Tu. Th. F. 1.10-4.10	401 F. 605 S.	337 W. 87
Day, Helen M. Tutor		409 B.	565 W. 113
Day, S. M. Asst.	M. 11.10		
Day, W. S. Tutor	Tu. Th. 10- 11	607 F.	209 W. 97 12 W. 32
Dean, B. Prof.	Tu. F. 9.30- 12.30		42 Fifth ave.
Dederer, Pauline H. Lect.	M.-W. 11-12	395 L.	393 West End ave.
Deimel, R. F. Lect.		H. M. S.	367 W. 117
Delafield, F. Emer. Prof.	Th. F. 3-4	401 E.	674 E. 135
Delano, W. A. Tutor	Tu. Th. 2-3	403 L.	501 W. 113
Dennis, W. C. Adj. Prof.		416 L.	431 Riverside dr.
Denniston, Adalena, Asst.		Phar.	115 W. 68
Derleth, W. T. Asst.		P. & S.	13 Central Park W.
Devine, E. T. Prof.		P. & S.	123 E. 74
Dewey, J. Prof.	M. F. 3-4; Th. 2-3	203 T.	501 W. 120
Diekman, G. C. Prof.		V. C.	320 Central Park W.
Ditman, N. E. Instr.	Tu. 11; W. 3- 4	431 T.	500 W. 121
Dixon, G. S. Instr.		P. & S.	49 W. 57
Dodge, R. E. Prof.		P. & S.	135 W. 73
Dounce, J. W. Clin. Asst.		P. & S.	121 E. 36
Dow, A. W. Prof.	M. F. 12.15- 12.45	323 U.	256 W. 57
Dow, E. L. Tutor	Tu. Th. 3-5; M. Tu. Th. F.		
Dowd, C. N. Instr.	8.45-10	H. M. S.	619 W. 114
Draper, W. K. Instr.			
Dunning, W. A. Prof.			
Dutton, S. T. Prof.			
Egbert, J. C. Prof.	M. W. F. 10.10	310 Ea.	425 W. 146
Ellard, C. H. Tutor	Tu. 10-11; S. 1	513 H.	15 W. 116
Emerson, H. Dem.		P. & S.	120 E. 62
Epstein, S. Clin. Asst.		V. C.	591 Lexington ave.

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Erb, F. C. Sup. Lib.		L.	520 W. 123
Erb, F. W. Sup. Lib.		L.	520 W. 123
Essex, W. L. Sec. Gym.		Gym.	
Evans, E. M. Tutor		P. & S.	38 W. 48
Falk, M. S. Lect.		401 E.	44 W. 53
Farnsworth, C. H. Adj. Prof.	Tu. Th. 2-3	118 T.	1230 Amsterdam ave.
Farrand, L. Prof.	M. W. 4	513 S.	Bartow-on-Sound, N. Y.
Fauver, E. Tr.		H. M. S.	31 W. 61
Ferguson, G. A. Prof.		Phar.	115 W. 68
Ferguson, H. B. Instr.		Phar.	115 W. 68
Fischer, C. S. Clin. Asst.		V. C.	144 E. 38
Fisher, G. F. Bursar	M.-F. 9-5; S. 9-12	108 L.	124 E. 24
Fisher, Laura, Lect.		T.	
Fisher, Louise M. Asst.		T.	41 E. 70
Fiske, T. S. Prof.	W. Th. 3.30	401 Ea.	1690 Broadway
Fitz-Gerald, J. D. II, Tutor	M. W. 4	306 W.	
Fletcher, J. B. Prof.	M. W. F. 2	511 F.	407 W. 117
Flint, C. P. Instr.		P. & S.	61 W. 48
Floyd, R. Lect.		P. & S.	12 W. 32
Fontrier, M. M. A. Asst.		614 F.	202 W. 128
Foote, E. M. Instr.		P. & S.	136 W. 48
Forbes, C. Curator	M.-F. 9.30-5	407 F.	386 Manhattan ave.
Foster, N. B. Clin. Asst.		V. C.	106 Madison ave.
Fowler, S. W. Clin. Asst.		V. C.	155 W. 48
Fox, G. H. Prof.		P. & S.	18 E. 31
Freese, Mrs. Cécile, Tr.		H. M. S.	353 W. 17
Frink, C. A. Clin. Asst.		V. C.	80 Convent ave.
Frissell, L. F. Clin. Asst.		V. C.	113 E. 56
Frothingham, R. Instr.		P. & S.	616 Madison ave.
Fry, M. T. Instr.		T.	58 W. 96
Fullerton, G. S. Prof.	M. W. 3.30	416 L.	252 W. 76
Furst, C. Sec. T. C.	M.-F. 10-12; 2-4; S. 10-12	106 T.	Lowerre Summit, Yonkers, N. Y.
Gallaudet, B. B. Adj. Prof.		P. & S.	84 Irving pl.
Gaston, Helen, Instr.		T.	419 W. 118
Geer, Mrs. Cora M. Sec. H. M. El. Sch.		H. M. S.	Broadway, Kingsbridge
George, Theodora, Asst. Dep. Reg. T. C.	M.-F. 9-12; 2-4; S. 9-12	T.	528 W. 123
Gibney, V. P. Prof.		P. & S.	16 Park ave.
Giddings, F. H. Prof.	Tu. F. 4	403 L.	150 W. 79
Gies, W. J. Prof.		P. & S.	437 W. 59
Gildersleeve, Virginia C. Tutor	Absent on leave	B.	
Gill, Laura D. Dean of Barnard College	M. Tu. Th. F. 11-12; M. Tu. Th. 2-3 B.		425 West End ave.

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Gillmore, Mary B. Tr.		H. M. S.	419 W. 118
Glanton, Louise P. Tr.		Sp. S.	94 Lawrence
Goetze, F. A. Supt. of B. & G.	M.-F. 10-11	110 L.	606 W. 113
Gohdes, W. H. Tr.		H. M. S.	531 W. 124
Goodhardt, S. P. Clin. Asst.		V. C.	103 E. 60
Goodnow, F. J. Prof.	M. W. 2-3	407 L.	49 Riverside dr.
Goodridge, F. G. Clin. Asst.		V. C.	332 Lexington ave.
Goodsell, Willystine, Tutor		T.	1230 Amsterdam ave.
Gottheil, R. J. H. Prof.	M. Tu. 9-12	309 U.	63 W. 85
Grabau, A. W. Prof.	Tu. Th. 11-12	101 S.	80 and Eleventh ave. Bklyn.
Grannis, Rev. A. Act'g Chaplain	W. Th. 9-10	205 W.	225 W. 99
Grant, A. H. Tr.		H. M. S.	402 W. 124
Gregory, W. K. Asst.	Tu.	608 S.	149 W. 12
Griffin, O. J. Asst. Sec. Coll. of Phar.	M.-F. 9.30-4; S. 9.30-12	Phar.	201 Amity, Flushing, N. Y.
Guernsey, R. Tutor	M. W. 3-30	306 Ea.	315 Livingston Hall
Gumaer, A. H. Instr.	W. 10-11	613 H.	70 Oak, Jersey City, N. J.
Haas, S. V. Clin. Asst.		V. C.	2493 Broadway
Hale, H. E. Dem.		P. & S.	752 West End ave.
Hall, E. J. Tutor		206 H.	
Hallock, W. Prof.	M. W. F. 12-12.30	308 F.	3609 Broadway
Hamilton, F. M. Asst.	Tu. Th. 2-3	407 S.	532 W. 126
Hamlin, A. D. F. Prof.	M. F. 10-11; Tu. Th. 3-4	607 H.	105 Morningside ave.
Harpham, Flora E. Computor		602 F.	317 W. 119
Harriman, C. A. Instr.		605 H.	646 West End ave.
Harrington, T. H. Tutor	Th. 10-11	605 E.	Westchester, N. Y.
Harris, Clara B. Tr.		Sp. S.	94 Lawrence
Hart, T. S. Instr.		P. & S.	130 W. 59
Hartley, F. Prof.		P. & S.	61 W. 49
Hastings, T. Dir. of Atelier	Daily 9-5		28 E. 41
Haviland, C. F. Clin. Asst.		V. C.	Manhattan State Hosp. Ward's Island
Hawkes, F. Instr.		P. & S.	42 E. 26
Hawley, Harriet, Sec. to Dean T. C.		T.	1230 Amsterdam ave.
Haworth, P. L. Tutor		T.	524 W. 124
Hayden, J. R. Prof.		P. & S.	107 W. 55
Hayes, A., Jr. Tutor	Tu. Th. 4-4.30	302 L.	40 Morningside Pk. W.
Haynes, R. Asst.	M. 10.10-11.10	335 B.	700 Park Ave.
Hazen, T. E. Tutor	F. 9	320 B.	Livingston Hall
Healy, W. P. Instr.		P. & S.	54 W. 55
Henmon, V. A. C. Lect.	S. 12-1	413 S.	507 W. 124
Hennen, W. D. Clin. Asst.		V. C.	39 W. 36
Herter, C. A. Prof.		P. & S.	819 Madison ave.
Hervey, W. A. Adj. Prof.	Tu. 10; Th. 3; F. 2	315 U.	607 W. 138
Heuser, F. W. J. Tutor	M. W. 11.10-12.10	113 B.	
	Th. 2.10	312 U.	154 Hewes, Bklyn.

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Hill, Patty S. Lect.		T.	
Hirst, Gertrude M. Instr.		212 B.	1230 Amsterdam ave.
Hirth, F. Prof.	Th. 3-4	305 U.	501 W. 113
Hiss, P. H., Jr. Adj. Prof.		P. & S.	262 W. 83
Hoadley, H. Lect.		1111 B.	140 W. 13
Hodenpyl, E. Adj. Prof.		P. & S.	16 W. 52
Hodge, R. M. Lect.		T.	567 W. 113
Hodgson, J. H. P. Clin. Asst.		V. C.	29 Washington sq.
Holbrook, R. T. Tutor	M. 2.30	408 W.	533 Livingston Hall
Holden, W. A. Instr.		P. & S.	43 W. 48
Holdridge, W. H. Clin. Asst.		V. C.	485 W. 145
Holm, G. T. Instr.		Gym.	1292 Amsterdam ave.
Holt, L. E. Prof.		P. & S.	14 W. 55
Horton, Mary S. Tr.		Sp. S.	1230 Amsterdam ave.
Hotchkiss, Caroline W. Instr.		H. M. S.	502 W. 113
Hotchkiss, L. W. Clin. Lect.			
and Instr.		P. & S.	59 W. 48
Howe, H. M. Prof.	F. 2.30-3.30	512 M.	27 W. 73
Howland, J. Instr.		P. & S.	49 E. 53
Hubbard, Grace A. Lect.	Tu. Th. 12-12.30		
		136 B.	621 W. 113
Hubbard, S. D. Clin Asst.		V. C.	143 W. 103
Humphries, H. R. Clin. Asst.		V. C.	262 W. 83
Hunt, E. L. Instr.		P. & S.	71 E. 52
Huntington, G. S. Prof.		P. & S.	240 W. 76
Hutchinson, Mary E. Prin.			
Tr. Sch. Sloane Maternity Hospital		S. M. H.	457 W. 59
Hutton, F. R. Prof.	M.-F. 10-11; F. 2-4	304 E.	319 W. 107
Hyde, Mary B. Instr.		Sp. S.	414 W. 118
Inglis, A. J. Tr.		H. M. S.	209 W. 118
Jackson, A. V. W. Prof.	W. 11	306 U.	16 Highland pl., Yonkers, N. Y.
Jackson, F. W. Instr.		P. & S.	555 Madison ave.
Jackson, G. T. Instr.		P. & S.	15 E. 29
Jackson, J. A. Clin. Asst.		V. C.	344 W. 85
Jacobi, A. Emer. Prof.			19 E. 47
Jacoby, H. Prof.	Tu. Th. 10-11	608 F.	333 W. 76
Jaeger, C. H. Chief of Clinic		V. C.	24 W. 59
James, Clara C. Tr.		Sp. S.	600 W. 125
James, W. B. Prof.		P. & S.	17 W. 54
Jelliffe, S. E. Prof. and Instr.		P. & S.	64 W. 56
Jessup, D. S. D. Asst.	Daily 5-6 and by appointment		301 W. 108
Johnson, A. S. Adj. Prof.	M. W. 2.30-3.30	206 W.	Clare Arms, 124 and Broadway
Jordan, D. Instr.	M. W. F. 10	301 W.	419 W. 115
Jouët, C. H. Tutor	Tu. Th. 1.30-2.30	505 H.	Roselle, N. J.
Julien, A. A. Curator	M.-F. 10-12	303 S.	505 W. 124
Kasner, E. Instr.	Tu. Th. 10-11	309 B.	121 E. 114

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Keator, H. M. Asst. Dem.		P. & S.	107 E. 70
Keith, J. S. Asst.		Gym.	
Keller, Eleanor, Tutor		435 B.	417 W. 114
Kellicott, W. E. Instr.	Tu. Th. 1-2	409 B.	21 Highland ave., Yonkers, N. Y.
Kemp, J. F. Prof.	Tu. Th. 2-3	403 S.	211 W. 139
Kent, J. M. Clin. Asst.		V. C.	236 W. 76
Kenyon, J. H. Asst. Instr.		P. & S.	47 W. 44
Keppel, F. P. Sec.	M.-F. 10-12; 2-4; S. 10-12	213 L.	239 E. 17
Keppler, C. R. Clin. Asst.		V. C.	158 W. 118
Kern, E. F. Tutor	Tu. F. 1-2	401 M.	910 Livingston Hall
Keyser, C. J. Prof.	M.W.F. 11.10	407 Ea.	510 W. 124
Kingsbury, I. W. Clin. Asst.		V. C.	
Kinne, Helen, Prof.	Tu. Th. 2; F. 11	417 T.	8 Morningside ave.
Kinnicutt, F. P. Prof.		P. & S.	39 E. 35
Kirchwey, Clara B. Instr.		T.	908 St. Nicholas ave.
Kirchwey, G. W. Prof. and Dean, Sch. of Law	M.-F. 12-1	206 L.	908 St. Nicholas ave.
Kirchwey, Mary F. Tr.		H. M. S.	908 St. Nicholas ave.
Kliene, R. J. H. Asst.			12 Leland ave., New Rochelle, N. Y.
Knapp, A. H. Prof.		P. & S.	26 W. 40
Knapp, C. Adj. Prof.	M. W. F. 1: 10-2	112 B.	1737 Sedgwick ave.
Knapp, C. B. Asst.		P. & S.	238 W. 73
Knapp, H. Emer. Prof.			26 W. 40
Krapp, G. P. Lect.	M. W. 10-11	509 F.	157 W. 105
Kress, M. K. Adj. Prof.	M.-F. 2.30-4.30	610 H.	272 W. 107
Krystall, B. E. Clin. Asst.		V. C.	58 E. 94
Kurtz, E. L. Instr.	M.W.F. 9.30-10.30	403 M.	903 Livingston Hall
La Fetra, L. E. Instr.		P. & S.	58 W. 58
Lambert, A. Van S. Instr.		P. & S.	126 E. 39
Lambert, S. W. Prof. and Dean, Sch. of Medicine	M.-F. 4.40	P. & S.	130 E. 35
Lamme, M. A. Tutor	M.-F. 1-4	106 S.	Hartley Hall
Lampen, A. Asst.			
Larkin, J. H. Instr.		P. & S.	564 W. 161
Latham, Azubah J. Lect.		T.	416 W. 118
Latham, Marion E. Asst.	M. 3-4	313 B.	417 W. 148
Lathrop, Adele, Tr.		H. M. S.	415 W. 115
Lau, R. J. Lect.	F. 2-4	308 U.	120 W. 102
Laufer, B. Lect.	Th. 3	305 U.	American Museum of Natural History
Lawrence, Lillie M. Asst.	W. 10-11	212 B.	1230 Amsterdam ave.
Lawrence, W. W. Instr.	M. W. 3.30	507 F.	157 W. 105
Leaming, E. Instr.		P. & S.	117 W. 84
Lee, F. S. Prof.		P. & S.	120 E. 65
Lefferts, G. M. Emer. Prof.			212 Madison ave.
Leshure, J. Clin. Asst.		V. C.	153 Convent ave.
Leslie, F. A. Asst.		Phar.	115 W. 68
Levy, D. H. Clin. Asst.		V. C.	134 W. 104

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Lewis, Mary H. Tr.		H. M. S.	
Lewis, R., Jr. Instr.		P. & S.	48 W. 40
Liggett, Mrs. N. W. Bursar, Barnard College	M.-F. 10-4	B.	
Lincoln, F. C. Asst.		303 F.	467 W. 163
Ling, G. H. Instr.	M. W. F. 10- 10.45	408 Ea.	154 W. 121
Lloyd, F. E. Adj. Prof.	Tu. Th. 11	304 T.	272 Manhattan ave.
Locke, Mrs. Ada M. Lect.		T.	
Lockwood, G. R. Instr.		P. & S.	18 E. 52
Lodge, G. Prof.	M. W. 2-3	228 T.	602 W. 112
Loiseaux, L. A. Adj. Prof.	Tu. Th. 10; Th. 2.30	303 W.	509 W. 124
Lord, H. G. Prof.	W. F. 10-11	416 L.	618 W. 113
Lovell, E. B. Adj. Prof.	Th. 2.30-3.30; F. 9-10	409 E.	235 W. 102
Lucke, C. E. Instr.	Tu.-Th. 8-9	304 E.	166 W. 122
Luquer, L. McI. Adj. Prof.	W. 2-4	306 S.	321 W. 80
Lyle, H. H. M. Clin. Asst.		V. C.	15 E. 48
McBurney, C. Prof.		P. & S.	28 W. 37
McCastline, W. H. Asst. Dir. Phys. Educ.		T.	26 E. 129
McConnell, R. H. Clin. Asst.		V. C.	42 W. 97
McCosh, A. J. Clin. Lect.		P. & S.	16 E. 54
McCoy, J. J. Clin. Asst.		V. C.	139 W. 97
McCrea, N. G. Prof.	M. W. 10-11	309 Ea.	417 W. 118
McEntee, E. J. Clin. Asst.		V. C.	93 Lee ave., Bklyn.
McGregor, J. H. Lect.	M. W. F. 10- 12	610 S.	507 W. 124 160 Fifth ave. 51 W. 38
McKim, C. F. Dir. of Atelier			
McLane, J. W. Emer. Prof.			
McMahon, Kate, Prin. H. M. Kindergarten.		H. M. S.	1230 Amsterdam ave.
McMurry, F. M. Prof.	M. F. 3; Tu. S. 11	313 T.	9 Hillside dr., Yonkers, N. Y.
McOsker, E. P. Manager of Dormitories			Hartley Hall
McRae, Frances E. Tutor		H. M. S.	7 W. 101
McWhood, L. B. Adj. Prof.	Tu. 3	606 M.	511 W. 112
McWilliams, C. A. Instr.		P. & S.	50 E. 53
MacAlarney, Emma L. Tr.		H. M. S.	430 W. 118
Macgregor, J. S. Asst.	M.-F. 9-5	308 E.	Livingston Hall
MacLay, J. Prof.	Tu. Th. 11- 12	404 Ea.	746 St. Nicholas ave.
MacLear, Martha, Sec. to Prin. H. M. High School		H. M. S.	457 W. 123
MacNary, E. E. Tr.		H. M. S.	527 W. 125
Macumber, J. L. Clin. Asst.		V. C.	249 Washington ave., Bklyn.
MacVannel, J. A. Adj. Prof.	Tu. Th. S. 9-10; M. W. 2-3	112 T.	411 W. 115
Main, T. F. Sec. Coll. of Phar.	M.-F. 9-12; 2-5	Phar.	44 Hudson
Maltby, Margaret E. Adj. Prof.	Tu. 1-2; W. 11-12	240 B.	3609 Broadway

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Mansfield, W. Instr.		Phar.	115 W. 68
Manson, L. S. Clin. Asst.		V. C.	152 E. 80
March, Maud, Instr.		T.	81 Morningside ave.
Markoe, F. H. Prof.		P. & S.	15 E. 49
Marshall, Florence M. Tr.		H. M. S.	430 W. 118
Martin, W. Instr.		P. & S.	25 W. 50
Mathews, F. S. Instr.		P. & S.	62 W. 50
Mathewson, C. A. Asst.		T.	216 Hartley Hall
Matthews, B. Prof.	Tu. Th. 4	502 F.	681 West End ave.
Maury, J. W. D. Instr.		P. & S.	264 W. 57
Maxson, A. R. Tutor	Tu. Th. 1-2	402 Ea.	150 W. 121
May, W. R. Clin. Asst.		V. C.	8 E. 32
Mayer R. E. Adj. Prof.	M.-F. 10-12	602 E.	149 Prospect ave., Mt. Vernon, N. Y.
Meara, F. S. Tutor		P. & S.	400 West End ave.
Meeker, H. D. Clin. Asst.		V. C.	41 W. 71
Mehan, Mr s. Caroline E. Instr.		T.	Carnegie Hall
Menut, Eugénie, Tr.		H. M. S.	560 Park ave.
Merrill, Valeria J. Custodian			
Lib. T. C.		T.	504 W. 112
Mettler, A. J. Asst	W. F. 11-12	505 H.	84 Henry, Bklyn.
Metzger, F. J. Tutor	M.-F. 2-5	303 H.	527 W. 124
Meyer, Anna E. H. Sec'y of Barnard College	M.-F. 10-12, 2-4; S. 10- 12	B.	Park Hill, Yonkers, N. Y.
Meyer, G. M. Tutor		P. & S.	59 E. 77
Meyers, R. A. Sec. Com. on Employment for Students	M.-F. 9-5; S. 9-12	213 L.	38 Bleecker
Meylan, G. L. Adj. Prof. and Med. Dir. Gym.	M.-F. 2-4; S. 11-12	Gym.	468 W. 141
Michaelis, A. Clin. Asst.		V. C.	173 E. 95
Miller, A. M. Instr.		P. & S.	341 W. 58
Miller, D. S. Lect.	Tu. 11.10- 12.30	510 S.	414 W. 118
Miller, E. Clin. Asst.		V. C.	231 E. 60
Miller, E. H. Prof.	Tu. 11; Th. F. 10-11	507 H.	329 W. 83
Miller, J. A. Instr.		P. & S.	550 Park ave.
Miller, S. O. Tutor	M.-F. 2-3	603 E.	West Nyack, N. Y.
Mills, Harriette M. Instr.		T.	600 W. 125
Mitchell, H. B. Adj. Prof.	M. W. F. 11- 12	407 Ea.	79 Madison ave.
Mitchell, S. A. Tutor	M. W. 10-11	606 F.	317 W. 121
Monroe, P. Prof.	Tu. Th. 3; S. 10	314 T.	11 Prospect dr., Yon- kers, N. Y.
Montague, W. P. Instr.	M. W. 3.10-4	417 L.	510 W. 124
Monté, L. G. Instr.		T.	430 W. 118
Moore, H. L. Adj. Prof.	Tu. Th. 11.30- 12.30	202 W.	501 W. 120
Moore, J. B. Prof.	M.-F. 9-5	411 L.	267 W. 73
Morgan, J. L. R. Prof.	M.-F. 10-11	411 H.	
Morgan, T. H. Prof.	M.Th.F. 12-1	613 S.	433 W. 117

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Morrison, C. E. Asst.	M.-F. 2-3	508 E.	431 W. 117
Moses, A. J. Prof.	M.-F. 4-5	307 S.	452 W. 144
Muller, H. F. Tutor	F. 10-11	408 W.	325 W. 34
Munroe, H. S. Prof.	M. W. F. 9-10	407 M.	501 W. 120
Neilson, W. A. Prof.	Tu. 10-11; Th. 1-2	509 F.	419 W. 118
Neish, A. C. Tutor	M. W. F. 9-12; Tu. Th. 11-12	418 H.	203 W. 113
Neitz, J. D. Tr.		H. M. S.	
Nelson, A. H. Asst.	M.-F. 9-12	201 F.	Hartley Hall
Nelson, C. A. Head Ref. Lib.		L.	579 W. 161
Nestell, R. J. Instr.		Phar.	115 W. 68
Newpher, Helen, Instr.		H. M. S.	1230 Amsterdam ave.
Nichols, E. F. Prof.			
Norrie, Van H. Instr.		P. & S.	21 W. 37
Norris, H. L. Asst. Supt. B.&G.		110 L.	51 Palisade ave., W. Hoboken, N. J.
Norsworthy, Naomi, Instr.		T.	557 W. 124
Nourse, Lilla A. Tr.		H. M. S.	541 W. 123
Noyes, W. Instr.		T.	501 W. 123
Oastler, F. R. Instr.		P. & S.	126 W. 59
Odell, G. C. D. Adj. Prof.	Tu. Th. 11-12	505 F.	44 W. 44
Oehler, J. Adj. Prof.		Phar.	115 W. 68
Oertel, H. Dem.		P. & S.	30 W. 44
Ogan, M. L. Clin. Asst.		V. C.	519 W. 152
Ogilvie, Ida H. Lect.	W. 10-12	214 B.	Hotel Ansonia
Olcott, G. N. Adj. Prof.		308 Ea.	
Opdyke, Agnes, Acting Reg. Barnard College	M.-F. 9-1; 2.30-4; S. 9-12	B.	418 W. 118 30 Broad 850 Madison ave.
Ordronaux, J. Emer. Prof.			
Osborn, H. F. Prof.	M. 9-1	608 S.	
Osgood, H. L. Prof.	Tu. Th. 4.30-5	320 U.	526 W. 150
Page, C. H. Lect.	M. W. 11	305 W.	235 W. 109
Painter, H. McM. Prof.		P. & S.	62 W. 55
Parker, H. C. Adj. Prof.	Tu.-F. 11-12; 4-5	410 F.	21 Fort Greene pl., Bklyn.
Parker, W. B. Lect.	M. W. 1.30	507 F.	508 Livingston Hall
Parr, H. L. Asst.	M.-F. 2-3	601 E.	Yonkers, N. Y.
Patterson, H. S. Tutor		P. & S.	51 W. 58
Peabody, Mary G. Tr.		H. M. S.	414 W. 118
Pearson, H. C. Prin. H. M. S. El. Sch.	M. W. Th. 2-3; Tu. 8.45-10	H. M. S.	501 W. 120
Peck, C. H. Instr.		P. & S.	30 W. 50
Peck, H. T. Prof.	Tu. 3.30-4.30; W. 10.30-11.30	301 Ea.	Columbia University
Peele, R. Prof.	M. W. F. 10-12	405 M.	351 W. 114

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Pegram, G. B. Instr.		205 F.	509 W. 124
Pellew, C. E. Adj. Prof.	Th. 11-12; F. 12-1	414 H.	10 W. 43
Periam, Annina, Tutor	M. W. 3-10	336 B.	55 Roseville ave., Newark, N. J.
Perry, E. D. Prof. and Dean, Sch. of Philos.	M. W. F. 3-4	304 Ea.	542 W. 114
Peters, W. H. G. Asst. Bursar, P. & S.		P. & S.	383 First, Bklyn.
Peterson, F. Clin. Prof.		P. & S.	4 W. 50
Pfarre, E. R. Clin. Asst.		V. C.	102 W. 80
Pfister, J. C. Adj. Prof.		615 F.	240 Sixth ave. (Rose- ville), Newark, N. J.
Pitkin, W. B. Lect.	M. 11-12	335 B.	Hartley Hall
Place, Helen M. Instr.		T.	
Pool, E. H. Instr.		P. & S.	57 W. 45
Poor, C. L. Prof.	Tu. Th. 10- 11	610 F.	4 E. 48
Poore, C. T. Clin. Lect.		P. & S.	43 W. 53
Pope, J. R. Assoc. Dir. of Atelier			25 Madison ave.
Potter, N. B. Instr.		P. & S.	9 W. 35
Pottle, E. Lect.		405 W.	418 W. 20
Pratt, Isabelle L. Sec. Appoint- ment Committee, T. C.		T.	221 W. 104
Pratt, Marion R. Exec. Sec. H. M. S.		H. M. S.	221 W. 104
Prentice, A. C. Clin. Asst.		V. C.	155 W. 46
Prescott, Harriet B. Sup. Lib.		L.	34 Gramercy Park
Prettyman, V. Prin. H. M. High Sch.	M. W. Th. 1.30-2.30	H. M. S.	Prospect Terrace, Park Hill, Yonkers, N. Y.
Prince, J. D. Prof.	Tu. 2.10-3.10	308 U.	15 Lexington ave.
Proben, C. J. Instr.		P. & S.	970 Lexington ave.
Prout, T. P. Clin. Asst.		V. C.	204 W. 55
Prudden, T. M. Prof.		P. & S.	160 W. 59
Pupin, M. I. Prof.		203 E.	
Putnam, C. R. L. Dem.		P. & S.	121 E. 38
Ramsdell, C. W. Asst.	M. 10-11; Tu. 11-12	322 U.	522 W. 123
Rand, Edith E. Tr.		H. M. S.	223 W. 106
Rea, Matilda G. Asst.		T.	30 W. 25
Read, T. T. Asst.	M.-F. 1-4	106 S.	361 W. 123
Redfield, H. S. Prof.	M. W. F. 3-5	414 L.	567 W. 113
Reed, Margaret A. Lect.		B.	
Rees, J. K. Prof.	Absent on leave		1 W. 72
Reid, D. B. Asst.		Gym.	
Reimer, Marie, Instr.	M. W. 1.10- 2.10	438 B.	420 W. 118
Remy, A. F. J. Instr.	M. W. 3-4	311 U.	112 W. 137
Reynolds, J. E. Lect.		305 L.	Fanwood, N. J.
Reynolds, W. S. Clin. Asst.		V. C.	66 W. 71
Richard, E. D. Lect.	Tu. Th. 10.30- 11.30	203 W.	5 W. 63
Richards, A. N. Instr.		P. & S.	10 W. 56

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Richards, C. R. Prof.	Tu. 11-12.30; F. 3-4	122 T.	239 W. 103
Richards, H. M. Adj. Prof.	M.-F. 10.10-11.10	316 B. V. C.	628 W. 114 48 E. 30
Riggs, A. F. Clin. Asst.		H. M. S.	417 W. 118
Robbins, Ida E. Tr.			
Robinson, J. H. Prof.	Tu. Th. 9.30-10	323 U. H. M. S.	567 W. 113 506 W. 113
Rogers, Lillian E. Tr.		327 T.	2706 Kingsbridge Terrace
Rouillion, L. Adj. Prof.	W. F. 2-3	M.	504 W. 112
Rübner, C. Prof.	W. 2-3	Phar.	115 W. 68
Rusby, H. H. Prof. and Dean, Coll. of Phar.			
Russell, J. E. Prof. and Dean, T. C.	M.-F. 11-12	103 T. V. C.	500 W. 121 13 Central Park W.
Russell, J. I. Clin. Asst.		Sp. S.	94 Lawrence
Russell, Mabel C. Tr.			
Russell, Martha M. Supt. Sloane Maternity Hosp'l.		S. M. H.	457 W. 59
Ryder, G. H. Instr.		S. M. H.	457 W. 59
Sachs, J. Prof.	Tu. Th. 3.30-4; S. 9.30-10	220 T. T. P. & S.	149 W. 81 2337 Broadway
Sage, Elizabeth, Tutor			
Salant, W. Asst.			
Satterwhite, B. O. Sec. Earl Hall	M.-F. 1-2; S. 9-10	E. H.	700 Park ave
Saville, M. H. Prof.	M. 11.30; F. 12.30	405 S.	326 W. 85
Sawyer, C. P. Press Representative.		U. T. P. & S.	208 W. 78 611 W. 112 103 E. 60
Schenck, Aletta V. W. Asst.			
Schmitt, A. E. Asst. Instr.			
Schneider, C. A. Asst.	Daily 1.30-5-30	201 E.	112 Riverside dr.
Schulte, H. von W. Dem.		P. & S.	295 Central Park West
Schüssler, Amy, Prin. Sp. S.		Sp. S.	558 W. 182
Scott, J. B. Prof.		304 L.	
Scott, Mrs. Miriam F. Dir. in Sp. S.		Sp. S.	417 W. 118
Seager, H. R. Prof.	Tu. Th. 2-3	408 L. H. M. S.	635 W. 115 529 W. 111
Secrest, Stella W. Tr.			
Seiberth, P. Lect.	Tu. Th. 11-12	312 U.	1161 Amsterdam ave.
Seligman, E. R. A. Prof.		Absent on leave	324 W. 86
Sever, G. F. Prof. and Act'g Dean, Sch. App. Sci.	W. F. 9-11	405 E. P. & S.	348 Central Pk. W. 102 E. 57
Shearer, L. H. Asst. Dem.		321 U.	318 W. 84
Shepherd, W. R. Adj. Prof.	M. W. 3.10	601 H.	158 W. 105
Sherman, F. D. Prof.	Tu. Th. 1-3		
Sherman, H. C. Adj. Prof.	M. F. S. 10-11	509 H. Gym.	529 W. 124
Shoemaker, A. Asst.			

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Shotwell, J. T. Adj. Prof.	Absent on leave		
Shrady, A. M. Instr.		P. & S.	1 W. 68
Silver, L. M. Clin. Asst.		V. C.	103 W. 72
Simkhovitch, V. G. Adj. Prof.	M.-F. 10-12	307 L.	26 Jones
Simpson, W. K. Prof.		P. & S.	952 Lexington ave.
Skarstrom, W. Instr.	Tu. Th. 3	Gym.	510 W. 124
Sleffel, C. C. Instr.	M.-F. 11.30-12.30	32 T.	509 W. 124
Sloane, W. M. Prof.	W. 2.30	319 U.	105 E. 69
Slosson, S. Asst.	Th. 2.10-3.10	310 U.	234 W. 75
Smith, C. H. Asst.		P. & S.	2881 Broadway
Smith, D. E. Prof.	Tu. Th. 10	212 T.	250 W. 88
Smith, E. R. Ref. Lib.		L.	
Smith, F. C. Clin. Asst.		V. C.	362 W. 57
Smith, Munroe, Prof.	M. W. F. 2-3	409 L.	152 E. 35
Smith, S. Asst.	M.-Th. 2-4	511 S.	533 Hartley Hall
Snelling, G. T. Instr.		602 H.	
Snow, L. F. Dep. Reg. T. C.	M.-F. 10-12; 2-4; S. 10-12	104 T.	Englewood, N. J.
Solley, F. P. Instr.		P. & S.	33 W. 53
Sour, B. Clin. Asst.		V. C.	140 W. 88
Speranza, C. L. Prof.	Tu. Th. 3.10	304 W.	120 E. 86
Spingarn, J. E. Adj. Prof.		401 W.	
Spitzka, E. A. Dem.		P. & S.	448 Madison ave.
Starr, M. A. Prof.		P. & S.	5 W. 54
Steeves, H. R. Asst.	M. F. 10-11	310 U.	62 W. 130
Stephens, F. M. Instr.		P. & S.	71 W. 49
Stimson, Alice M. Sec. H. M. S.		H. M. S.	159 W. 86
Stone, W. S. Instr.		P. & S.	41 W. 71
Stoughton, B. Adj. Prof.	Tu. F. 1.30-2.30	512 M.	319 W. 94
Strayer, G. D. Instr.	M. W. F. 10	T.	528 W. 123
Strong, C. A. Prof.		409 S.	Lakewood, N. J.
Strong, O. S. Instr.		P. & S.	507 W. 124
Strong, R. M. Asst.	Tu.-F. 1-4	E.	200 W. 105
Sullivan, J. Lect.		T.	308 W. 97
Sumner, A. E. Instr.		P. & S.	127 W. 58
Sutherland, Louise C. Instr.		T.	1230 Amsterdam ave.
Swart, C. T. Tutor	M. W. Th. 9-12	304 E.	226 So. Second ave., Mt. Vernon, N. Y.
Swenson, D. F. Asst.	M. 2-3; Th. 10-11	417 L.	530 W. 123
Swift, G. M. Instr.		P. & S.	20 W. 55
Sykes, F. H. Prof. and Dir. Extension Teaching	M. W. F. S. 10; M. W. 3	217 T.	Lowerre Summit Park, Yonkers, N. Y.
Tassin, A. De V. Lect.	M. W. F. 1.30-2	137 B.	14 Lexington ave.
Taylor, A. R. Tr.		T.	323 Hartley Hall
Taylor, A. S. Asst. Instr.		P. & S.	152 W. 57
Taylor, H. C. Instr.		P. & S.	24 W. 50
Tenney, A. A. Asst.			
Terry, C. T. Prof.	M. Tu. Th. F. 4.15-4.30; 5.30-6.15	414 L.	23 E. 77

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Thacher, J. S. Prof.		P. & S.	839 Madison ave.
Thomas, C. Prof.	Absent on leave		
Thompson, J. F. Asst.		102 H.	
Thorndike, E. L. Prof.	M. W. 1-3	324 T.	530 W. 123
Thorndike, Lynn, Chief Clerk	M.-F. 9-5; S. 9-12	213 L.	528 W. 123
Thurber, S. W. Instr.		P. & S.	104 E. 39
Todd, G. W. Clin. Asst.		V. C.	225 West End ave.
Todd, H. A. Prof.	Tu. Th. 11.30; 5	302 W.	824 West End ave.
Tombo, R., Jr. Adj. Prof. and Registrar	Tu. Th. 9-11	109 L.	628 W. 114
Toussaint, C. A. Asst.		404 Ea.	
Townsend, F. Instr.		505 E.	Union Club
Trent, W. P. Prof.	Th. 12	502 F.	279 W. 71
Trowbridge, A. Adj. Prof.	M. W. 10-11	604 E.	811 St. Nicholas ave.
Trowbridge, C. C. Instr.	M.-F. 10-11	401 F.	St. Anthony Hall, Riverside dr. and 116
Tucker, S. A. Adj. Prof.	M.-F. 9.30-5	102 H.	155 E. 61
Tufts, F. L. Adj. Prof.	M. W. F. 11- 12	305 F.	541 W. 124
Turnure, P. R. Instr.		P. & S.	55 W. 49
Tuttle, G. A. Dem.		P. & S.	48 W. 49
Tyson, H. H. Instr.		P. & S.	47 W. 51
Uhlig, W. C. Asst.	M.-F. 1-4.30	516 H.	242 Halsted, E. Orange, N. J.
Underhill, Laura B. Tr.		H. M. S.	142 W. 104
Underwood, L. M. Prof.	M. 10-12	506 S.	Redding, Conn.
Upham, Mary C. Tr.		H. M. S.	1230 Amsterdam ave
Upton, C. B. Asst.		T.	502 W. 113
Upton, Siegfried M. Tr.		H. M. S.	502 W. 113
Vail, Mary B. Instr.		T.	Edgewater, N. J.
Valentine, Laura, Lib. and Sec. Sp. S.		Sp. S.	94 Lawrence
Van Amringe, J. H. Prof. and Dean, Columbia College	W. F. 1.15	205 Ea.	48 E. 26
Van Arsdale, May B. Instr.		T.	457 W. 123
Van Beuren, F. T., Jr. Dem.		P. & S.	21 W. 14
Van Cleef, F. C. Tr.		H. M. S.	
Van Pelt, J. V. Assoc. Dir. of Atelier	M. 2.30-3	12 E. 42	126 E. 19
Van Wagenen, C. D. Clin. Asst.		V. C.	15 E. 48
Van Zandt, Margaret, Sup. Lib.		L.	415 W. 118
Vogel, K. M. Asst.		P. & S.	80 E. 55
Voorhees, J. D. Lect.		P. & S.	150 W. 59
Vorisek, A. Instr.		Phar.	115 W. 68
Vosburgh, A. S. Dem.		P. & S.	40 W. 88
Vulté, H. T. Adj. Prof.	M. 3-4; W. 11-12	400 T.	33 Park ave., New Rochelle, N. Y.
Wadsworth, A. B. Instr.		P. & S.	112 W. 55
Walker, J. B. Clin. Lect.		P. & S.	33 E. 33
Ward, F. E. Organist	M.-F. 8.45- 9.15	E. H.	Rye, N. Y.

NAME	OFFICE HOURS	OFFICE	RESIDENCE
Ware, W. R. Emer. Prof.			Milton, Mass.
Warren, C. P. Tutor		602 H.	Woodcliff, N. J.
Waterhouse, G. B. Asst.	Tu. 2-5	510 M.	239 W. 126
Webster, C. E. Clin. Asst.		V. C.	749 Madison ave.
Webster, Marion L. Asst.		H. M. S.	1230 Amsterdam ave.
Weick, C. W. Instr.		119 T.	507 W. 124
Weir, R. F. Prof.		P. & S.	11 E. 54
Weiser, Lucy H. Tr.		H. M. S.	256 W. 85
Welker, W. H. Asst.		P. & S.	137 W. 143
Welles, Katharine, Tr.		H. M. S.	414 W. 118
Wells, J. S. C. Adj. Prof.	Absent on leave		
Westcott, A. F. Tutor		T.	600 W. 125
Wheeler, C. M. Tr.		H. M. S.	
Wheeler, E. B. Asst.		210 F.	507 W. 124
Wheeler, J. R. Prof.			
Wheelock, Elizabeth M. Tr.		H. M. S.	430 W. 118
Whitin, E. S. Asst.		Sp. S.	Hartley Hall
Whiting, J. R. Instr.		P. & S.	120 W. 55
Whitley, Mary T. Asst.		T.	540 W. 124
Whitman, R. Clin. Lect. and Instr.		P. & S.	283 Lexington ave.
Whittemore, Laura B. Instr.		H. M. S.	8 Morningside ave.
Williams, L. R. Clin. Asst.		V. C.	839 Madison ave.
Williams, P. H. Clin. Asst.		V. C.	22 E. 48
Williams, R. H. Tr.		H. M. S.	527 W. 124
Williams, W. R. Tutor		P. & S.	Hotel San Remo
Wills, A. P. Adj. Prof.	Tu. Th. 11-12	603 F.	2528 Broadway
Wilson, E. B. Prof. and Dean, Sch. of Pure Sci.	M. W. F. 3.30-4.30	608 S.	2528 Broadway
Wilzin, I. M. Clin. Asst.		V. C.	2412 Seventh ave.
Wing, Irma E. Tr.		H. M. S.	1230 Amsterdam ave.
Wissler, C. Lect.	M. W. 9-9.30	405 S.	457 W. 123
Wood, F. C. Adj. Prof.		P. & S.	201 W. 55
Wood, T. D. Prof.		T.	500 W. 121
Woodbridge, F. J. E. Prof.	M. W. 2	420 L.	606 W. 115
Woodhull, J. F. Prof.	Tu. Th. S. 10	413 T.	501 W. 120
Woodman, L. E. Asst.		F.	524 W. 123
Woodward, B. D. Prof.	M. W. 12	114 B.	Monroe, N. Y.
Woodworth, R. S. Adj. Prof.	M. W. 1.30-2	409 S.	530 W. 124
Woolman, Mrs. Mary S. Prof.	M. 11-11.30; F. 2-2.30	552 T.	21 W. 101
Woolsey, J. M. Lect.	W. F. 10	401 L.	47 E. 44
Woolson, I. H. Adj. Prof.		308 E.	
Woolston, H. Dir. in Sp. S.		Sp. S.	94 Lawrence
Yard, A. B. Clin. Asst.		V. C.	28 W. 105
Yates, W. H. Tutor	Daily 8.30	509 E.	78 W. 94
Yohannan, A. Lect.		404 W.	
Young, C. H. Prof.	M. 2-2.30	306 Ea.	312 W. 88
Zerbe, Margaret M. Tutor		T.	Hotel Winthrop
Zinsser, Hans, Asst.		P. & S.	101 W. 80

DIRECTORY OF STUDENTS

The italic letter following the name indicates the school in which the student is primarily registered—as follows:

<i>c</i> College	<i>pl</i> School of Political Science
<i>l</i> School of Law	<i>s</i> Schools of Mines, Chemistry, and Engineering
<i>m</i> School of Medicine	<i>b</i> Barnard College
<i>p</i> School of Pure Science	<i>t</i> Teachers College
<i>ph</i> School of Philosophy	<i>f a</i> Fine Arts (Architecture and Music)

The numbers 1, 2, 3, and 4 preceding these letters indicate the class. Where *no number precedes* the letters *b, c, l, m, s,* and *t*, the student is non-matriculated. The abbreviation *gr* indicates a graduate student in the professional schools.

The names of women are printed in *italics*.

Abbey, E. N. <i>l</i>	<i>Aikin, M. P. ph</i>
Abbott, L. J. <i>pl</i> 282 W. 127	1230 Amsterdam ave.
Abelsky, M. J. <i>S ph</i> 18 Market	Albrecht, J. A. <i>c</i> Livingston
Abraham, M. <i>l b</i> 46 W. 90	Alexander, A. D. <i>l c</i>
Abrams, N. <i>l c</i> 153 W. 27	14 St. Nicholas pl.
Abrams, S. D. <i>4 m</i> Lawrence, L.I.	Alexander, E. R. <i>2 s</i>
Abrons, H. <i>2 m</i> 1292 Park ave.	608 Madison, Bklyn.
Aburatani, J. <i>pl</i>	<i>Alexander, I. 2 b</i> 346 W. 71
Union Theol. Sem.	<i>Alexander, L. F. l b</i>
Acken, E. A. <i>4 t</i> 7 Decatur, Bklyn.	940 St. Nicholas ave.
Acker, L. B. <i>l b</i> 337½ W. 55	Alexander, L. H. <i>ph</i> 543 W. 141
Ackles, J. L. <i>3 t</i>	Alexander, T. M. <i>2 c</i>
1230 Amsterdam ave.	764 St. Nicholas ave.
Adams, H. C. <i>2 s</i>	Alexander, W. A. <i>2 s</i>
957 St. Nicholas ave.	608 Madison, Bklyn.
Adams, I. B. <i>3 b</i> Mount Kisco,	Allan, A. C. <i>4 t</i>
N. Y.	1230 Amsterdam ave.
Adams, J. B. <i>ph</i> 416 W. 118	Allen, E. B. <i>2 b</i> San Remo Hotel
Adams, K. M. <i>2 t</i>	Allen, H. Jr. <i>l s</i>
Montclair, N. J.	42 Cedar pl., Yonkers, N. Y.
Adams, P. H. <i>l m</i> 106 E. 70	Allen, T. H. <i>3 m</i> 328 W. 56
Adams, R. A. <i>4 c</i>	Allen, W. H. Jr. <i>2 c</i>
16 St. Nicholas pl.	710 Franklin ave., Bklyn.
Adams, W. C. <i>3 l</i> 544 W. 113	Allis, C. L. <i>l s</i>
Aery, W. A. <i>gr t</i> 500 W. 121	<i>Allis, M. L. 3 t</i>
Agnew, T. Jr. <i>3 t</i>	1230 Amsterdam ave.
Ahern, E. C. <i>2 t</i> 567 Burnside ave.	Alterman, J. J. <i>l c</i>
Aigeltinger, A. <i>3 s</i> 531 W. 113	135 Eighth ave.
Aiguier, H. L. <i>l b</i> 158 Summer	Alterton, M. <i>4 t</i>
ave., Newark, N. J.	1230 Amsterdam ave.

- Althaus, A. L. 3 b 2770 Briggs
 ave., Bedford Pk.
 Amano, S. pl 64 E. 133
 Amberg, J. L. 4 c 310 W. 94
 Ambrose, E. M. t Black Rock, Ct.
 Amend, C. G., 2 s 33 W. 81
 Ames, C. E. c 1262 Tremont ave.
 Ames, F. 3 t 391 West End ave.
 Ames, J. S. 1 m 343 W. 56
 Amezaga, R. S. 1 s 209 W. 97
 Ammerman, S. L. 1 c 985 Dawson
 Hartley
 Amos, W. A. 3 c 417 W. 118
 Anderson, A. S. 3 t 343 W. 58
 Anderson, C. A. 3 m Livingston
 Anderson, G. E. p 408 E. 65
 Anderson, L. W. 1 s 509 W. 144
 Anderson, M. E. ph 1230 Amsterdam ave.
 Anderson, S. F. 4 t 502 W. 149
 Andrei, C. 2 s 176, cor. Monroe ave.
 Andrews, F. M. 3 t 9 W. 129
 Angell, M. A. 3 t 608 W. 113
 Annan, R. 2 s 102 W. 132
 Anson, M. C. 3 l 31 E. 77
 Anthony, A. G. 3 b 306 W. 109
 Anthony, H. M. gr t 143 W. 85
 Apeztegina, J. J. 1 s 29 Catherine
 Aplington, H. T. 3 c 32 W. 123
 Appel, A. 1 c 4 m 147 W. 63
 Appel, F. J. 3 t 526 W. 123
 Applegate, E. T. R. Jr., 4 m 1230 Amsterdam ave.
 Archbald, H. 2 s 517 W. 124
 Archibald, G. S. 1 b 428 Central Pk. West
 Arkush, J. E. 1 c 550 W. 149
 Armand, L. J. ph 411 W. 117
 Armstrong, A. C. 2 s 144 E. 37
 Armstrong, C. P. 2 b 144 E. 37
 Armstrong, David 2 l 144 E. 37
 Armstrong, Donald 1 c 144 E. 37
 Armstrong, L. J. 2 b 144 E. 37
 Armstrong, M. E. 1 b 130 Reid ave., Bklyn.
 Arner, G. B. L. pl Hartley
 Arnold, J. L. p 418 W. 118
 Arnold, W. W. ph 209 W. 118
 Arnsfield, J. J. 3 s 230 W. 113
 Arnstein, L. A. 3 s 117 E. 81
 Aron, B. M. 1 b Liberty rd., Englewood, N. J.
 Arthur, J. 1 l 353 W. 119
 Ash, A. 2 b 316 W. 103
 Ash, L. M. 4 t 1230 Amsterdam ave.
 Ashby, H. E. 3 t 1230 Amsterdam ave.
 Ashcroft, C. Van R. 4 t 135 W. 58
 Ashforth, G. 4 c 423 W. 144
 Ashmead, D. C. 4 s 22 Hamilton
 ave., Yonkers, N. Y.
 Ashton, M. H. 1 s 72 Newell ave.,
 Rutherford, N. J.
 Askowith, D. 2 b 1771 Madison ave.
 Astle, C. 4 m 333 W. 55
 Aston, A. 1 l 78 Hanson pl.,
 Bklyn.
 Atkins, J. N. pl Gen. Theo. Sem.
 Atwater, H. C. 3 s 40 W. 59
 Atwater, J. C. p 48 Maple,
 Yonkers, N. Y.
 Auerbach, E. F. 3 b 1239 Madison ave.
 Auerbach, H. S. 4 s 40 W. 77
 Auerbach, I. H. 3 c 75 E. 80
 Auslander, A. gr t 251 W. 123
 Autenrieth, G. C. p 941 Dawson
 Avent, J. 2 t 159 E. 123
 Avery, F. t 541 W. 124
 Avery, H. 3 t 1230 Amsterdam ave.
 Axt, M. C. 2 b Port Richmond, S. I.
 Ayres, D. R. 1 m 337 W. 34
 Ayres, M. S. ph 419 W. 118
 Baar, M. D. 1 b Hebrew Orphan
 Asylum, 137 and Amsterdam ave.
 Babcock, D. P. 3 s 500 W. 123
 Babcock, E. 3 t 1230 Amsterdam ave.
 Babcock, H. G. 2 s 500 W. 123
 Bach, R. F. 1 c 2516 Eighth ave.
 Bachrach, S. ph 154 W. 123
 Back, E. M. 2 b 43 Cedar pl.,
 Yonkers, N. Y.
 Back, L. 4 t E. Orange, N. J.
 Baechler, J. 3 m 134 W. 29
 Baegel, M. 2 m 112 Henry
 Baehr, G. 2 m 78 W. 94
 Bagley, G. J. 2 c 196 St. George's
 ave., Rahway, N. J.
 Bagnasco, J. M. 3 t 27 Weil pl.,
 Astoria, L. I.
 Bagnell, R. H. 2 c 60 Seventh ave.
 Bailey, M. A. 4 t 24 W. 128
 Bailey, M. H. 3 b 92 Fourth ave.
 Bailey, R. DeW. 3 s 417 W. 117
 Bailly, E. C. 3 c Hartley
 Baker, A. G. ph 526 W. 114
 Baker, B. W. 3 t 501 W. 149
 Baker, E. F. ph 772 Park ave.

Baker, E. R. pl 418 W. 118
Baker, R. O. 4 m 130 W. 93
Baker, R. W. 2 s 135 W. 116
Bakst, J. 4 m 42 Pike
Baldwin, A. P. gr t 431 Riverside dr.
Baldwin, B. J. pl Union Theol. Sem.
Baldwin, E. F. 3 t 175 W. 107
Baldwin, F. T. ph 417 W. 118
Baldwin, F. W., Jr. pl 419 W. 115
Baldwin, H. Van V. 2 s Nyack, N. Y.
Baldwin, L. G. 1 b Bloomfield, N. J.
Ballantyne, H. F. a Scarsdale, N. Y.
Ballis, E. A. pl Union Theol. Sem.
Bamber, W. R. 2 s 844 Union, Bklyn.
Bancker, M. C. ph 20 W. 104
Banckle, T. H., Jr. 1 c 25 W. 86
Bangs, H. McC. 4 c 627 W. 115
Bangser, A. 3 c 326 W. 113
Banks, H. P. 2 c 304 W. 91
Bannon, W. J. 2 m 130 W. 65
Banta, E. M. ph 144 St. James pl., Bklyn.
Baragwanath, J. G. 1 c 253 W. 103
Baranoff, R. (Mrs.) 3 t 72 E. 110
Barber, W. H. 1 c 210 Rodney, Bklyn.
Barbour, C. D. f a 1161 Amsterdam ave.
Barbour, R. 1 s 11 W. 53
Bark, L. 4 t 16 N. Arlington ave., East Orange, N. J.
Barnaby, J. C. 4 s 332 W. 58
Barnekov, J. K. 1 c 81 Morningside ave.
Barnett, I. I. gr t 73 E. 109
Barnett, N. 2 m 400 West End ave.
Barnitt, J. B. 1 s Hartley
Barr, L. E. 3 t 418 W. 118
Barris, E. L. 4 t 1230 Amsterdam ave.
Barrows, S. 4 m 99 Haywood ave. Orange, N. J.
Barrows, W. 1 b 417 W. 114
Barteld, H. C. 3 s 177 Hancock, Bklyn.
Bartholomew, R. T. (Mrs.) t The Bryn Mawr, W. 121
Bartlett, D. A. p 321 W. 118
Bartlett, L. S. 4 m 317 W. 56

Barton, R. M. ph 508 W. 112
Bartow, L. 1 c 33 W. 73
Bashford, H. 3 t 119 Warburton ave., Yonkers, N. Y.
Bass, M. H. 3 m 57 W. 91
Bassett, E. J. 2 c 431 W. 117
Bassett, H. K. 4 t Marble Hill, Kingsbridge
Bates, B. M. 3 t 137 Clinton, Bklyn.
Bates, E. C. 2 m 123 W. 61
Bates, E. S. ph 511 W. 122
Bates, F. F. (Mrs.) ph 511 W. 122
Bates, M. s 325 W. 101
Bates, M. L. pl 139 N. 17, East Orange, N. J.
Battell, H. M. 3 b 561 W. 149
Bauer, H. O. A. 3 l Piermont, N. Y.
Baum, A. B. 2 l 672 E. 141
Baum, A. L. 1 c 32 W. 128
Baum, P. 4 c 88 First
Baxter, H. 4 s Livingston
Bayles, W. H. 4 m 109 W. 89
Baylis, R. S. 4 s 567 St. Mark's ave., Bklyn.
Beach, W. H. 2 l 530 W. 123
Beale, A. S. ph Union Theol. Sem.
Beall, M. E. t 1230 Amsterdam ave.
Beattie, H. M. 3 s 606 W. 115
Beck, D. 2 c 84 Avenue B
Becker, R. C. 4 s 339 E. 68
Beckingham, D. F. 4 c 201 W. 141
Beckwith, Martha Warren ph 417 W. 118
Beckwith, Maynard Wells pl Madison, N. J.
Bedinger, H. G. l Hartley
Beekman, F. L. pl 141 W. 104
Beekman, H. R. 3 l 35 W. 17
Beekman, R. 2 b 46 W. 129
Beers, B. A. 2 b 35 Clinton pl., Jamaica, L. I.
Belcher, M. B. 3 t 458 E. 176
Bell, F. E. 4 b 243 Madison ave., Flushing, N. Y.
Bell, H. K. 3 c 243 Madison ave., Flushing, L. I.
Bellantoni, C. t 259 W. 122
Beller, W. C. gr t 51 E. 123
Belyea, J. I. t 1230 Amsterdam ave.
Bendick, A. J. 1 m 1048 Fifth ave.
Benedict, S. gr t 1230 Amsterdam ave.
Bennet, W. S. pl Livingston

- Bennett, C. E. 3 b
 1063 Seventh ave.
 Bennett, E. B. 1 l
 Bennett, F. M. ph 244 W. 101
 Bennett, G. G. ph 323 State,
 Hackensack, N. J.
 Bennett, H. P. 3 t
 1230 Amsterdam ave.
 Bennett, J. S. 3 l 78 W. 105
 Bennett, M. V. ph Livingston
 Bennett, R. G. p 58 Ft. Greene
 pl., Bklyn.
 Benson, L. W. 1 t 449 W. 123
 Benton, E. gr t 510 W. 124
 Benton, N. K. 4 c 417 W. 117
 Berg, A. V. fa Livingston
 Berg, H. Van B. 1 c
 34 Gramercy Pk.
 Bergen, F. P. p 347 W. 22
 Bergman, H. M. 3 s 128 W. 112
 Bergmann, R. C. 2 s 19 E. 126
 Berkowitz, L. 3 c 144 Manhattan
 ave., Bklyn.
 Berliner, L. H. 2 c 314 E. 87
 Bermingham, E. J. fa
 750 St. Nicholas ave.
 Bernard, C. ph
 Hawthorne P. O., N. Y.
 Bernays, J. 2 b 121 W. 119
 Bernkopf, B. M. 3 b 223 W. 138
 Bernstein, C. D. fa 76 W. 119
 Bernstein, M. 4 m 22 E. 103
 Bernstein, M. H. 1 l 51 E. 117
 Berry, E. H. p 565 W. 113
 Berry, H. B. 4 t Hartley
 Bertini, A. A. 4 c 154 Bleecker
 Bessie, A. 2 c 991 Union ave.
 Betjemann, H. C. 3 c
 230 Third ave.
 Bibby, H. L. 1 m Belle Vista,
 Paterson, N. J.
 Bice, H. H. (Mrs.) fa 404 W. 115
 Bickelhaupt, B. S. 4 m 630 E. 162
 Bierman, H. 3 c 513 E. 82
 Bigelow, L. E. t
 1230 Amsterdam ave.
 Bijur, H. 2 c 160 W. 75
 Bill, H. S. fa 552 W. 113
 Billingsley, H. McC. 2 l 29 E. 22
 Billingsley, P. 2 c 446 Macon,
 Bklyn.
 Binzel, A. L. t
 Birdsall, C. A. 4 m 197 Ege ave.,
 Jersey City, N. J.
 Bisch, L. E. 2 c 254 W. 104
 Bishop, F. W. 1 c 202 W. 103
 Bishop, M. 1 l 152 E. 37
 Bissell, C. Y. fa Livingston
 Bissell, P. St. G., Jr. 1 c
 Freeport, L. I.
 Bissell, P. St. G. pl
 Freeport, L. I.
 Black, F. A. 1 b 247 Macon,
 Bklyn.
 Blackburn, L. P. 4 b 324 W. 58
 Blackford, G. R. 4 t 605 W. 115
 Blackman, E. 4 t 449 W. 123
 Blackwood, I. A. ph 34 W. 128
 Blackwood, W. C. 1 s
 404 St. Nicholas ave.
 Blake, C. H., Jr. 3 l
 381 Central Park W.
 Blakely, G. S. ph
 2678 Creston ave.
 Blakely, S. B. 2 m 111 W. 65
 Blakeney, H. S. 1 m 360 W. 58
 c/o Phillips
 Blakeslee, R. E. 3 t 218 W. 123
 Blanchard, E. gr t 418 W. 118
 Blanchard, M. 4 c 17 E. 80
 Blanchard, R. C. p Livingston
 Blank, M. I. ph 42 W. 115
 Blauvelt, A. la T. 3 t Nutley, N. J.
 Blauvelt, M. E. 1 l 3 Robbins pl.,
 Yonkers, N. Y.
 Blechman, J. P. 3 c 316 W. 119
 Blechman, N. ph 316 W. 119
 Blend, A. E. 3 t Livingston
 Blews, R. R. ph 124 Sixteenth,
 Bklyn.
 Blickensderfer, C. 4 s Livingston
 Blinn, O. S. 1 c 496 Jefferson
 ave., Bklyn.
 Bliss, D. C. gr t Kearney, N. J.
 Bliss, E. F. 1 s 135 E. 49
 Bliss, R. P. p 526 Flatbush ave.,
 Bklyn.
 Block, A. P. 1 m 87 W. 119
 Block, M. 2 c 848 Greene ave.,
 Bklyn.
 Blocker, S. ph
 New Brunswick, N. J.
 Blodgett, F. B. ph
 Gen. Theol. Sem.
 Blood, A. P. 4 t 11 W. 115
 Bloom, I. 2 c 240 E. 9
 Bloom, I. 1 c 307 W. 126
 Bloomfield, W. W. ph 419 W. 118
 Bloomgarden, A. S. 2 m
 846 Tenth ave.
 Blum, H. 1 m 20 Church, New
 Brunswick, N. J.
 Blum, J. 3 c 106 W. 115
 Blumberg, H. 2 c 268 Stockton,
 Bklyn.
 Blumberg, S. 3 l 2 W. 120

Blume, J. *ph* 55 Cook ave.,
Elmhurst, L. I.
Blumenstiel, A. B. 4 *c* 108 E. 79
Boardman, M. T. 2 *b*
Bloomfield, N. J.
Boas, H. M. 1 *b* 123 W. 82
Bode, G. H. 2 *s* 424 W. 147
Bodkin, A. M. *gr t* 419 W. 118
Boeck, P. A. 3 *s* 412 West End ave.
Bogert, A. J. 3 *t* 246 Ninth ave.
Long Island City, N. Y.
Bogert, C. R. *ph* 189 South
Oxford, Bklyn.
Boggs, N. T. *ph* 42 South Clinton,
East Orange, N. J.
Bogue, P. D. 4 *c*
116 and Riverside Drive
Boice, C. L. 4 *t* 122 W. 127
Boice, H. W. 3 *m* 400 Washing-
ton ave., Bklyn.
Boisse, P. S. 1 *s* 137 E. 73
Bollert, M. L. *ph* 514 W. 122
Bolles, F. N. 3 *c* 417 W. 117
Bolles, J. A. 3 *l* 2880 Bway.
Bolton, A. T. 3 *s* Marion ave.
and 200
Bond, S. F. 3 *s* Hartley
Bondy, E. L. 4 *c*
477 Manhattan ave.
Bonner, R. O. 1 *s* 123 Hartley
Bonnlander, V. C. 2 *c* 876 Hart,
Bklyn.
Bonsall, V. F. M. *ph* Livingston
Bonser, F. G. *gr t* 420 W. 121
Bookman, M. R. 4 *m*
1248 Fulton ave.
Boorman, K. M. 2 *c* Riverside
Drive and W. 173
Boote, M. L. 3 *b* 99 Highland
ave., Yonkers, N. Y.
Booth, A. G. *t* 14 W. 92
Booth, L. La B. *fa* Hartley
Borchardt, A. H. 1 *s* 1330 Pacific
Bklyn.
Borgwald, C. *fa* 223 N. Sixth
ave., Mount Vernon, N. Y.
Borsody, L. 4 *s* 325 E. 82
Bosworth, W. H. 3 *s*
902 West End ave.
Bottomley, W. L. *fa* 254 W. 132
Bouglise, R. de La, 2 *s* Livingston
Bovey, J. M., Jr. 3 *l*
Hotel Ansonia, 73 and Bway.
Bower, G. L. 3 *t* 181 Bay 31st,
Bensonhurst Pk., N. Y.
Bowers, W. C. 2 *m* 345 W. 58
Bowes, W. R. 2 *s* 519 Second,
Bklyn.

Bowman, J. G. *ph*
Bowman, N. C. *ph* 419 W. 118
Boyd, A. S. 4 *c* Madison, N. J.
Boyd, H. C. *p* Livingston
Boyd, M. A. 1 *b* Jessup pl.,
High Bridge
Boyd, V. T. 4 *b* 40 Perry
Boykin, R. H., Jr. 2 *s* 103 W. 48
Boyle, J. N. 4 *c* 531 W. 113
Boynton, W. H. 2 *s* Livingston
Braastad, J. N. *c* Hartley
Bradford, E. E. 4 *b*
1963 Seventh ave.
Bradshaw, W. M. 1 *m* 55 E. 72
Bradsher, E. L. *ph* 537 W. 123
Brady, T. J., Jr. 4 *s* 42 W. 75
Brady, W. G., Jr. 2 *c* 109 W. 122
Bragaw, A. C. 3 *l* 20 E. 94
Brainerd, H. B. 1 *c* 135 E. 30
Brainin, C. S. 2 *c*
1851 Madison ave.
Brancato, P. 4 *m* 308 W. 44
Brand, J. 3 *b* 332 Third ave.
Brandau, G. J. 3 *c* 115 Butler,
Flatbush
Brandley, W. G. 2 *c* 52 Hillside
pl., Newark, N. J.
Brando, C. 4 *c* 409 Park ave.,
Paterson, N. J.
Brandon, H. C. 3 *t* 515 W. 124
Branson, J. H. *p* 97 Paulison
ave., Passaic, N. J.
Bratton, E. C. 3 *t* 523 W. 123
Braun, A. P. 1 *s* Hartley
Brautigam, E. R. 4 *b* 23 Lincoln,
East Orange, N. J.
Breck, W. R. 2 *c* 627 W. 115
Breitenfeld, E. 1 *c* 221 E. 68
Brennan, W. J. 4 *c* 2 W. 75
Brenner, E. C. 2 *m*
174 St. Nicholas ave.
Brett, A. 3 *t* 243 Madison ave.,
Flushing, L. I.
Brett, E. M. 3 *t* 243 Madison ave.,
Flushing, L. I.
Brewster, A. D. 4 *b* 527 W. 124
Brewster, C. W. *ph*
Brewster, J. A. *pl* 501 Fifth ave.
Brewster, R. K. 1 *s* 615 W. 147
Bridgeman, L. W. 1 *s* 278 Lock-
wood, Astoria, L. I.
Briggs, E. E. *ph* 66 St. James pl.,
Bklyn.
Briggs, F. S. 3 *m* 166 W. 64
Brill, P. K. 3 *s* 200 Van Buren,
Bklyn.
Brinckerhoff, M. L. *gr t* 10 W. 4
Mt. Vernon, N. Y.

- Brisco, N. A. *pl* 510 W. 124
 Brodix, C. R., Jr. 3 *c* Hartley
 Brodix, J. W. 3 *c* Hartley
 Bronner, G. F. 4 *t*
 1230 Amsterdam ave.
 Bronté, E. 2 *t* 608 Mott ave.
 Brooks, A. P. 4 *t*
 1230 Amsterdam ave.
 Brooks, E. F. (Mrs.) 3 *t*
 601 W. 148
 Broomell, B. L. 4 *t* 2 E. 128
 Brophy, P. F. 2 *s* Livingston
 Brough, A. *pl* Livingston
 Brower, F. D. 2 *l*
 339 Riverside Drive
 Brown, B. *fa* 902 West End ave.
 Brown, B. K. *b*
 1230 Amsterdam ave.
 Brown, C. 3 *t* 1230 Amsterdam ave.
 Brown, C. B. 1 *s* 15 E. 11
 Brown, E. S. 1 *s* 64 Orient Way,
 Rutherford, N. J.
 Brown, F. C. 4 *c* 620 W. 148
 Brown, F. de L. *fa* 242 W. 73
 Brown, F. E. 2 *m* 351 W. 57
 Brown, H. L. 3 *l* 42 W. 72
 Brown, L. 2 *c* 82 E. 113
 Brown, M. A. 4 *t*
 Brown, M. F. 4 *b* 501 W. 120
 Brown, O. 3 *s* 125 E. 93
 Brown, S. 3 *m* 118 W. 64
 Brown-Serman, S. *ph*
 Gen. Theol. Sem.
 Brown, T. C. *p* Hartley
 Brown, U. D. *gr t* 156 W. 80
 Brown, W. H., Jr. 1 *c* 3 W. 92
 Browne, D. H. *pl* Hartley
 Browne, K. C. 1 *s* 1235 Tinton
 ave.
 Browne, M. E. 4 *b* 1539 Pacific,
 Bklyn.
 Brownell, E. G. 2 *m* Students'
 Club, 328 W. 56
 Bruce, J. M. 4 *b* 476 W. 141
 Bruce, M. 4 *c* 615 Fifty-second,
 Bklyn.
 Brummer, S. D. *pl*
 1356 Madison ave.
 Brundin, T. M. 2 *b* 284 Ninth
 ave., Astoria, L. I.
 Bruner, H. E. 3 *l* 529 W. 111
 Bruns, C. L., Jr. 2 *s* 2649 Bway.
 Brush, A. C. 2 *b* 113 W. 69
 Bryan, F. J. *gr t* 478 Third,
 Bklyn.
 Bryant, W. S., Jr. 2 *l* 153 W. 80
 Bryde, E. D. 2 *l* 29 Mt. Morris
 Park, West
 Buck, K. W. 2 *l* 430 W. 118
 Buckingham, B. R. *gr t*
 38 St. Lawrence ave.
 Budds, M. H. 2 *b* 72 W. 97
 Budlong, F. G. *pl*
 Gen. Theol. Sem.
 Buell, K. 3 *t* 415 W. 118
 Buffett, B. R. 1 *l* Livingston
 Bugbee, E. 1 *b* 70 Fisher ave.,
 White Plains, N. Y.
 Bulkley, C. S. 1 *l* 86 Hobart ave.,
 Summit, N. J.
 Bulkley, H. D. 3 *l* 608 W. 113
 Bulkley, K. 4 *c*
 531 Madison ave.
 Bull, G. H. 2 *c* 39 E. 39
 Bullard, R. H. *fa* St. Anthony
 Hall, 116 and Riverside
 Bullis, J. 3 *t* Manhattan Trade
 School, 233 W. 14
 Burch, T. H., Jr. 2 *s* 106 W. 57
 Burchard, S. L. *ph*
 549 West End Ave.
 Burdett, L. C. 1 *l* Fort Lee, N. J.
 Burdette, R. S. 3 *s* Cliffside, N. J.
 Burdick, C. K. 1 *l* 633 W. 115
 Burgess, E. P. J. 1 *c* 323 W. 57
 Burke, D. L. 4 *t* Hartley
 Burke, R. P. 2 *m* 356 W. 58
 Burlingham, G. S. *p* 2776 De-
 catur ave., Bedford Pk.
 Burnap, S. R., Jr. 1 *m* 353 W. 58
 Burnett, T. W. 2 *m* 604 W. 115
 Burnham, A. C. 4 *m* 521 W. 124
 Burnham, M. T. 3 *t*
 1230 Amsterdam ave.
 Burns, G. 4 *c* 423 W. 117
 Burr, E. T. 2 *b* Greenwich, Conn.
 Burr, W. F. 1 *l* 151 W. 74
 Burrill, P. M. *p* Union Club, 51
 and Fifth ave.
 Burrows, E. C. 4 *m*
 Elizabeth, N. J.
 Burrows, E. M. 2 *b*
 Tarrytown, N. Y.
 Burruss, J. A. *gr t* Hartley
 Bushong, A. M. 3 *b* 442 Ninth,
 Bklyn.
 Bushong, R. G. 3 *l*
 Butler, E. C. 4 *m* 417 E. 57
 Butler, E. S. 3 *t*
 1230 Amsterdam ave.
 Butler, H. P. *fa* 165 W. 130
 Byrne, F. J. 2 *s*
 623 Lexington ave.
 Byrne, M. *ph* 338 Decatur
 Byshe, E. W. *ph*
 Rowayton, Conn.

- Caceres, M. t* 208 W. 15
Calef, E. 4 t 1230 Amsterdam ave.
Calhoun, M. E. pl 502 W. 113
Callahan, F. 2 l Livingston
Callahan, G. J. 3 l 354 W. 123
Calman, D. 1 b 127 W. 81
Camera, A. U. N. ph 575 West, Flatbush, N. Y.
Cameron, C., Jr. pl 544 W. 113
Cameron, S. b 239 W. 136
Campbell, B. 3 c 526 W. 123
Campbell, C. E. 2 b 2309 Seventh ave.
Campbell, C. L. 3 s 415 W. 117
Campbell, R. A. 2 c 70 E. 54
Campbell, R. E. 4 c 526 W. 123
Cane, W. G. 1 c 62 E. 80
Cannon, G. L. 3 b Clay ave., near 175
Canto, I. H. 2 m 11 W. 117
Cantrell, L. M. 3 l Livingston
Carbone, M. G. 3 s 240 Fifth ave.
Carey, J. A. 1 m 232 Vernon ave., Bklyn.
Carhart, E. M. pl 133 Remsen, Bklyn.
Carlebach, W. M. 3 s 136 W. 86
Carleton, G. M. ph 509 W. 124
Carlson, C. O. gr t 1476 Lexington ave.
Carlson, F. pl 1469 Amsterdam ave.
Carlton, F. D. fa 1178 Warburton ave., Yonkers
Carlucci, G. A. 2 m 47 Seventh
Carmichael, C. 1 c 30 W. 53
Caroline, H. 4 c 271 Madison
Carpenter, H. N. 2 s 605 W. 113
Carpenter, R. 1 c 253 W. 100
Carpenter, W. M. 3 c 253 W. 100
Carpentier, M. A. ph 170 Lee ave., Bklyn.
Carr, K. S. fa 257 W. 129
Carrington, W. 4 s
Carris, L. H. gr t Freeport, L. I.
Carroll, A. 3 b 1230 Amsterdam ave.
Carroll, A. L. 1 b 384 Monroe, Bklyn.
Carroll, C. R. 1 c 384 Monroe, Bklyn.
Carter, A. L. 1 l 108 W. 106
Carter, D. S. 2 s 130 E. 24
Carter, H. 3 b 138 W. 129
Carter, H. I. 4 t 1230 Amsterdam ave.
Carter, J. O. 1 c 797 Sterling pl., Bklyn.
Carter, P. 1 s 310 W. 115
Cartwell, T. M. 3 m 29 E. 22
Casamajor, L. 4 m 135 W. 61
Casamajor, R. 4 c Hartley
Case, L. V. p 8 Broadway, Tarrytown, N. Y.
Casey, J. F. 1 m 249 W. 55
Cashen, M. 4 t 315 W. 82
Cashman, J. F. ph 611 E. 21, Bklyn.
Casper, J. 4 m 147 W. 63
Cassebeer, A. F. 2 m 134 W. 64
Cassebeer, E. M. 1 b 46 South 13th Ave., Mt. Vernon, N. Y.
Casseres, A. G. 2 b 449 South Third ave, Mt. Vernon, N. Y.
Cassini, H. 2 m 71 Cone, Orange, N. J.
Caswell, W. L. 4 c 9 Arlington pl., Bklyn.
Cauchois, R. W. 3 s 458 W. 144
Cazin, A. p 1108 Bloomfield, Hoboken, N. J.
Cella, C. D. 2 c 206 Hudson, Hoboken, N. J.
Cerussi, B. P. 1 s 554 Courtland ave.
Chace, M. S. ph 846 Boulevard, Astoria, L. I.
Chaddock, R. E. pl Livingston
Chamberlain, R. ph 295 Schermerhorn, Bklyn.
Chambers, F. W. 4 c 315 W. 58
Chambers, R. N. 2 l Hartley
Chandlis, M. N. 1 c 227 W. 115
Chapin, H. E. 3 c 409 W. 117
Chapman, E. 4 t 37 Clinton ave., Jamaica, L. I.
Chapman, E. A. 4 b 3635 Boulevard, Jersey City, N. J.
Chapman, F. B. fa Yale Club
Chapman, J. M. 4 t 1230 Amsterdam ave.
Chater, E. MacR. D. ph Englewood, N. J.
Chatfield, H. 3 t 316 W. 120
Cheadle, A. B. 4 c 429 W. 117
Chelimer, H. J. 3 c 208 E. 105
Cheney, C. O. 2 c 158 W. 46
Cheney, G. W. 4 t 236 Johnson ave.
Child, A. M., Jr. 1 c 169 Franklin
Childs, R. 1 b 68 W. 119
Chipperfield, F. D. 4 b 606 W. 115
Chisholm, O. P., Jr. 3 s 429 W. 117
Chodorov, F. 2 c 32 Great Jones
Chord, S. 3 l Hartley

- Chrisman, M. B.* 4 t
 1230 Amsterdam ave.
Chrystie, J. N. 2 s 101 W. 128
Church, J. A., Jr. 4 s
 697 West End ave.
Clare, J. L. 1 l 352 W. 118
Clare, M. E. 4 t 5 W. 122
Clark, A. L. s Livingston
Clark, A. M. 4 t 418 W. 118
Clark, F. H. 2 s 616 W. 113
Clark, J. 2 t 834 Willett,
 Jamaica, L. I.
Clark, J. M. pl 616 W. 113
Clark, J. R., Jr. 3 l 500 W. 123
Clark, Margaret E. 3 t
 Tenafly, N. J.
Clark, M. F. 3 t 29 S. Broadway,
 Yonkers
Clark, S. C. 2 l
 The Dakota, 1 W. 72
Clark-Smith, L. 4 t Hotel Marie
 Antoinette, Bway. and 66
Clark, V. S. 2 l 2880 Bway.
Clarke, H. E. c 159 W. 95
Clarkson, J. G. 3 s 684 E. 144
Clary, E. M. 2 b
 50 Morningside ave.
Class, F. M. 3 m 3 E. 73
Clendenin, M. 2 b 514 W. 122
Cleveland, H. H. 1 s 27 Clinton
 pl., Jamaica, L. I.
Clinkscales, L. D. 1 l 505 W. 124
Closson, L. W. b 99 Cleveland,
 Orange, N. J.
Coan, R. A. l 429 W. 117
Cobb, J. L. 1 c 258 Clifton pl.,
 Bklyn.
Coble, M. S. 2 m
 64-66 Montgomery
Cochran, J. I. 1 b 120 W. 12
Cockey, C. R. f a 580 W. 183
Cockrell, M. 2 l Livingston
Coddington, J. T. ph
 540 Hancock, Bklyn.
Coe, M. S. p 42 W. 52
Coffee, R. I. gr t 136 E. 65
Cohen, A. 4 b Aqueduct ave.
 and 182
Cohen, A. B. 3 c 283 Osborn,
 Bklyn.
Cohen, E. 4 m 60 E. 7
Cohen, H. 1 c 29 Attorney
Cohen, H. L. ph 38 W. 93
Cohen, H. N. ph
 1232 Madison ave.
Cohen, I. 1 c Woody Crest,
 High Bridge
Cohen, I. 2 l 309 W. 128
Cohen, L. J. p 50 W. 129
Cohn, A. A. pl
 1288 Amsterdam ave.
Cohn, C. J. 2 s
 47 St. Nicholas ave.
Cohn, H. 1 s 927 Park ave.
Cohn, L. B. gr t 72 E. 116
Cohn, M. M. 2 c 84 W. 115
Cohn, R. M. 3 m 252 W. 55
Cohn, S. 1 m 2051 Belmont ave.
Cohn, W. W. 2 c 326 W. 113
Coker, F. W. pl 501 W. 120
Colby, C. S. 3 b 2013 Fifth ave.
Cole, E. 3 b Sea Cliff, L. I.
Cole, E. C. 3 b 371 W. 119
Cole, F. C. 3 l 515 W. 124
Cole, J. K. 1 l Hartley
Coleman, A. A. gr t
 Pelham Manor, N. Y.
Coleman, H. T. gr t 524 W. 123
Coleman, L. G. 3 t 420 W. 121
Coleman, McA. 1 c 167 W. 73
Collerd, C. E. pl Drew Theol.
 Sem., Madison, N. J.
Collier, W. A., Jr. 41 E. 69
Colligan, E. A. 2 t 111 Ainslie,
 Bklyn.
Collings, W. A. 2 l 524 W. 123
Collins, C. M. pl 76 Twenty-
 third, Flushing, L. I.
Collins, E. T. 3 c
Collins, K. B. 3 c 45 Convent ave.
Collyer, H. L. pl 109 E. 54
Colsten, A. L. p 218 Adelphi,
 Bklyn.
Combes, A. C., Jr. 3 c
 Elmhurst, L. I.
Comin, R. pl Richmond Hill, L. I.
Commons, E. L. m 64 W. 39
Commorato, J. R. 2 m 437 W. 59
Compton, A. D. ph 40 W. 126
Compton, G. B. c 237 W. 108
Comstock, M. C. c 526 W. 14
Conant, H. J. 2 l Livingston
Conant, S. H. pl 526 W. 114
Condit, A. H. pl 34 Lincoln,
 East Orange, N. J.
Condit, J. P. 4 b 15 Lincoln,
 East Orange, N. J.
Conklin, R. G. 3 t
Conley, D. S. 4 m 41 W. 60
Conner, L. 1 b 310 Main,
 Belleville, N. J.
Connor, F. J. 2 l Hartley
Conried, R. G. 3 c 65 W. 71
Content, H. A. 2 c Hartley
Cook, E. P. p 301 W. 46
Cook, F. H. 2 t 1267 56, Bklyn.

- Cook, W. P., Jr. 2 s 488 Nos-
trand ave., Bklyn.
- Cooke, J. P. 3 b 22 Arlington pl.,
Bklyn.
- Cooley, A. M. 3 t 134 W. 95
- Cooley, H. W. pl 241 W. 14
- Cooley, W. F. ph 246 W. 112
- Cooper, C. C. 3 l Hartley
- Cooper, C. S. ph 3 W. 29
- Cooper, H. E. 2 t 61 Park ave.,
Yonkers
- Cooper, I. M. ph 53 Washington
sq., South
- Cooper, J. R. 2 s 57 Convent ave.
- Copeland, R. 1 c 628 Washing-
ton ave., Bklyn.
- Corcoran, C. A. p 81 Bedford
- Cordley, A. M. ph 733 Madison ave.
- Corn, B. 4 c 23 E. 128
- Cornell, C. F. 4 c Hartley
- Cornish, C. H. b 235 E. 18
- Cornish, E. W. 3 t Woodbridge, N. J.
- Corscaden, J. A. 4 m 251 W. 97
- Cort, A. gr t 408 W. 150
- Cory, A. E. ph 1392 Boston rd.
- Cosgrove, J. D. 4 s 64 Rush,
Bklyn.
- Costello, T. J. 4 s 355 W. 56
- Costikyan, P. H. fa 40 E. 19
- Costikyan, Z. 3 t 87 Arlington
ave., East Orange, N. J.
- Coulter, E. 4 t 1230 Amsterdam ave.
- Courtland, J. ph Drew Theol.
Sem., Madison, N. J.
- Coveney, R. 2 b 146 Seventh ave.,
Bklyn.
- Cowen, A. R. 3 c 39 E. 74
- Cowen, M. I. 1 b 39 E. 74
- Cowherd, J. B. 1 m
- Cowie, R. fa 552 W. 113
- Cowles, I. F. 4 t 357 Lenox ave.
- Craig, F. A. 2 t 725 E. 134
- Craig, M. C. ph 211 E. 15
- Crane, E. E. 4 t 23 Locust,
Flushing, L. I.
- Crane, K. P. pl 99 E. 81
- Crane, T. H. 2 c 902 West End ave.
- Craver, F. E. ph Montclair, N. J.
- Crawford, L. W., Jr. ph 505 W. 124
- Crawley, G. E. 2 s 557 W. 124
- Crecelius, F. W. 2 s P. O. Box 36,
College Point, L. I.
- Crew, C. 1 s Livingston
- Criado, R. F. 1 c 430 W. 116
- Crimeau, J. J., Jr. 1 l
- Crocker, N. J. 2 t 24 John,
Tarrytown, N. Y.
- Crocker, R. S. fa 257 W. 75
- Crohn, B. B. 3 m 76 E. 92
- Cronan, F. J. 3 t 176 W. 94
- Crone, H. 3 l 152 E. 89
- Cross, J. B. 3 m 165 W. 64
- Crouch, F. M. ph 488 Greene
ave., Bklyn.
- Crowell, A. S. 3 t 1230 Amsterdam ave.
- Crowell, F. E. t 1230 Amsterdam ave.
- Crowell, M. B. 2 b 103 Maple,
Richmond Hill, L. I.
- Crowther, E. pl 500 W. 123
- Culbert, J. F. ph 271 Ryerson,
Bklyn.
- Cull, S. W. p 1230 Amsterdam ave.
- Culman, C. W. 1 c 476 W. 143
- Cunningham, M. C. 3 t 166 W. 105
- Cunningham, O. 3 t 522 W. 123
- Cunnion, A. J. 1 m 407 E. 120
- Curran, A. 2 c 42 E. 57
- Currie, A. 1 l Hartley
- Currie, T. H. p 552 W. 184
- Curtis, G. B. 3 s 413 W. 117
- Curtis, V. P. p 90 Pierrepont,
Bklyn.
- Cushing, P. M. c Livingston
- Cushman, H. M. 3 t 73 Manhattan ave.
- Custer, G. A. 3 l Livingston
- Cuthell, C. W. 2 l 604 W. 114
- Cutler, C. C. 2 l 528 W. 123
- Cutler, H. D. 3 l 162 E. 37
- Cutler, S. L. ph 471 E. 177
- Cutting, F. L. 3 t 99 Java,
Bklyn.
- Cutting, V. W. 2 c 99 Java,
Bklyn.
- Dailey, F. A. 3 t 1230 Amsterdam ave.
- Dallas, R. pl 232 E. 124
- Danehy, G. W. 2 s 1824 Anthony ave.
- Dangler, M. W. (Mrs.) t 308 E. 15
- Daniel, G. W. 2 s 441 W. 43
- Daniel, M. K. 2 t 1230 Amsterdam ave.
- Danielson, C. 3 t 907 Jackson ave.
- Dann, M. E. 1 b 223 Berkeley
ave., Bloomfield, N. J.
- Darling, N. O. 4 b 410 W. 115

- Darrin, K. E. 4 b 430 W. 118
 Davidoff, H. ph 3 E. 106
 Davidson, M. E. S. 4 t 2728 Bway.
 Davidson, P. E. gr t Livingston
 Davidson, W. B. 1 c
 Davies, H. L. 2 b 509 W. 122
 Davies, T. pl Gen. Theol. Sem.
 Davis, A. M. 3 l 12 W. 115
 Davis, H. F. 2 s 526 W. 123
 Davis, I. J. 2 s 700 West End ave.
 Davis, M. C. ph 148 E. 18
 Davis, M. G. 3 t 417 W. 118
 Davis, W. H. gr t Hartley
 Davis, W. W. pl Hartley
 Dawson, F. T. 1 c 136 Carnegie Hall
 Day, E. S. ph 1146 Tinton ave.
 Day, G. E. 3 t 1230 Amsterdam ave.
 Day, H. L. 4 m 400 W. 57
 Day, M. M. ph Gen. Theol. Sem.
 Deacon, H. G. 4 t 108 E. 86
 Deacy, W. H., Jr. 1 c Agate ave.,
 Ossining, N. Y.
 Dean, C. B. pl 151 W. 70
 Dean, J. C. pl Gen. Theol. Sem.,
 Ninth ave.
 Dean, M. E. 4 t Hastings-on-
 Hudson, N. Y.
 Dean, P. R. gr t 541 W. 123
 de Boer, J. M. 3 t 153 Riverdale
 ave., Yonkers, N. Y.
 Decker, C. T. 4 m 205 Elm,
 Westfield, N. J.
 Decker, H. R. 3 m 328 W. 56
 Decker, S. S., Jr. 2 l 424 Central Park W.
 Decker, W. C. ph 3 W. 129
 Dederer, I. C. 3 m 565 W. 113
 Deeter, L. G. 4 t 515 W. 124
 De Graff, F. A. 4 t 440 W. 123
 DeGrange, McQ. ph 219 W. 121
 Dehuff, A. I. 3 s Livingston
 del Rio, J. R. 4 s 254 W. 112
 Demarest, M. C. 1 b Nanuet, N. Y.
 Demarest, S. P. 1 s 11 E. 87
 Dempsey, J. A. 1 b 467 Fifty-fifth, Bklyn.
 Dennis, M. F. 4 t 301 W. 112
 Denniston, A. 3 t 367 W. 117
 Denno, W. J. 4 m 251 W. 55
 Denny, G. E. t 417 W. 118
 Denzer, B. S. 4 c 22 Edgewood
 Pk., New Rochelle, N. Y.
 Derby, R. 3 m 9 W. 35
 Derden, J. pl 419 W. 115
 Detwiler, A. K. 4 m 126 E. 74
 Deutsch, H. A. 1 s 534 E. 87
 Deutsch, M. 4 s 9 E. 115
 Devendorf, F. C. 1 m 362 W. 57
 Devoe, W. B. 4 c 22 Mt. Morris Pk., W.
 Deyo, L. De W. 4 t 212 Shelton
 ave., Jamaica, N. Y.
 Dhalla, M. N. ph Hartley
 Dickey, F. A. 3 c 56 Lenox ave.
 Dickinson, H. 3 t 201 W. 78
 Dickler, N. N. p 260 Watkins
 Dickson, C. F. 2 s 902 West End ave.
 Diehl, F. ph Union Theol. Sem.
 Diemer, G. H. fa 128 Humboldt,
 Union, N. J.
 Dier, A. A. 3 s Livingston
 Dieterlen, C. T. E. fa Cor. 200
 and Valentine ave, Bedford Pk.
 Disbrow, J. 3 b 1120 Madison ave.
 Dixon, B. F. 3 l 2881 Broadway
 Dixon, E. S. 4 t 1230 Amsterdam ave.
 Dobrzynski, A. E. ph 144 Norfolk
 Dodd, F. F. gr t Hartley
 Doernberg, W. S. 3 c 127 E. 95
 Dolan, L. A. t 239 W. 139
 Dolan, P. M. 3 t 540 E. 86
 Dolan, S. A. 2 t 239 W. 139
 Donaldson, I. L. 3 t 309 W. 85
 Donnelly, I. G. 3 t 49 W. 23
 Donnelly, M. K. gr t 412 W. 149
 Donnelly, T. F. 3 s 412 W. 149
 Donovan, C. W. 2 l 224 Keap,
 Bklyn.
 Donovan, H. 4 t 133 W. 140
 Donovan, W. J. 2 l 306 W. 109
 Dorfman, W. ph College City of
 N. Y. 17 Lex'n ave.
 Dorsett, L. A. 4 b 268 Hillside
 ave., Jamaica, L. I.
 Dorsette, S. 3 t 10 W. 135
 Dorsey, C. D. 2 l Hartley
 Dorsey, J. J. 3 m 129 W. 64
 Doster, J. J. 4 t 519 W. 123
 Doty, A. 3 s 69 Locust Hill ave.,
 Yonkers, N. Y.
 Doty, K. S. pl 553 W. 141
 Doty, O. K. 2 s 553 W. 141
 Doughty, J. B. 4 s 73 Manhattan ave.
 Douglas, B. 4 t 1230 Amsterdam ave.
 Douglas, C. M. 3 t 1230 Amsterdam ave.
 Downs, F. G. 4 c 75 Fairview
 ave., Jersey City, N. J.

- Dox, R. W. 3 c 525 W. 123
 Draper, E. J. f a 158 W. 84
 Draper, G. 4 m 18 W. 8
 Drennen, W. E. 4 m 117 W. 81
 Dresser, C. G. p 67 Neperan rd.,
 Tarrytown, N. Y.
 Drew, M. K. 3 t
 1230 Amsterdam ave.
 Dreyer, H. C. 1 b 180 Eleventh,
 Bklyn.
 Dreyfuss, R. 1 s 201 W. 120
 Driehaus, I. W. gr t Livingston
 Drob, M. 1 c 66 E. 113
 Druding, F. D. 3 s 219 W. 106
 Drumm, C. D. pl 175 Ninth ave.
 Drummond, E. M. 3 t
 1230 Amsterdam ave.
 Drummond, G. 3 t
 1230 Amsterdam ave.
 Du Bois, E. F. 4 m
 West New Brighton, S. I.
 duBois, E. H. ph 501 W. 120
 Duden, F. H. 4 s
 Bronxville, N. Y.
 Dudley, R. f a 524 W. 123
 Duffield, S. K. 1 m 12 W. 12
 Duffy, F. P. pl St. Joseph's
 Seminary, Yonkers, N. Y.
 Dunbar, J. M. 1 s
 Dobbs Ferry, N. Y.
 Dunbar, M. 1 t
 Dobbs Ferry, N. Y.
 Duncan, D. 2 s 459 Classon ave.,
 Bklyn.
 Dunlop, W. C. 4 s 27 Belmont
 Terrace, Yonkers, N. Y.
 Dunn, A. V. t 417 W. 120
 Dunn, D. H. 4 s 529 W. 124
 Dunn, E. J. 4 t 181 W. 97
 Dunn, G. S. 4 t 308 W. 113
 Dunn, J. P. f a 1111 Dawson
 Dunwoodie, C. E. 1 s
 902 West End ave.
 Durando, D. I. 3 t 12 W. 92
 Durant, D. 1 c 603 West End ave.
 Durham, K. pl 404 W. 145
 Durie, H. F. gr t
 1230 Amsterdam ave.
 Durkee, C. J. t
 1230 Amsterdam ave.
 Dusel, W. J. 3 s
 1268 Amsterdam ave.
 Dwyer, C. E. 1 c 301 W. 109
 Dwyer, E. A. 2 b 477 Eighth,
 Bklyn.
 Earhart, L. B. gr t
 1230 Amsterdam ave.
 Earl, A. M. 4 t 118 W. 130
 Earle, G. L. C. 2 c 145 W. 74
 Eastman, H. W. 4 c Hartley
 Eastman, L. P. 4 b 4 E. 70
 Eastman, M. McC. 2 b 161 E. 81
 Eastman, W. 2 c Hartley
 Easton, K. 1 l 608 W. 113
 Eaton, C. C. 2 b 206 W. 39
 Eaves, L. pl 515 W. 111
 Eberhard, V. E. f a 248 W. 123
 Echeverria, F. J. 1 m 248 W. 76
 Eckstein, H. J. 4 c 36 W. 89
 Eddingfield, F. T. 4 s 137 W. 103
 Eddy, W. H. p 2412 Seventh
 ave.
 Edebohls, A. J. 4 s 59 W. 49
 Edelstein, E. A. 3 c
 1433 Madison ave.
 Edgar, J. A. 4 m 71 Congress,
 Jersey City, N. J.
 Edwards, LeR. G. 1 c 267 W. 114
 Edwards, R. H. ph 41 E. 69
 Egan, J. L. 4 c 46 W. 120
 Egbert, H. D. 3 c 425 W. 146
 Egbert, N. A. 2 l Hartley
 Eggers, C. F. A. 3 m
 55 Greenpoint ave., Bklyn.
 Eggleston, R. D. 1 l 310 W. 115
 Ehrenreich, S. 1 m 69 E. 101
 Ehret, L. J. 1 l 1197 Park ave.
 Ehrhardt, C. F. 4 m 668 E. 135
 Ehrlich, E. M. 4 b 54 W. 75
 Eichbauer, C. 4 t 203 Lincoln rd.,
 Bklyn.
 Eimer, A. O. 4 c 30 Irving pl.
 Eisenberg, A. D. 4 m 386 E. 10
 Eisenmann, M. J. gr t 451 W. 84
 Eisler, H. 1 t 805 E. 5
 Elgar, H. B. 3 l 109 W. 78
 Elkus, S. A. ph 302 W. 87
 Ellenbogen, M. G. 3 c Livingston
 Elliott, E. C. Falls Creek, Idaho
 Elliott, E. D. 1 m 328 W. 56
 Elliot, F. C. 4 t
 1230 Amsterdam ave.
 Ellis, G. A. 1 l Livingston
 Elmendorf, W. T. 4 m 46 W. 93
 Elsing, M. J. 3 s 283 Highland
 Boulevard, Bklyn.
 Elting, M. ph 87 Hamilton pl.
 Eltinge, L. 3 t 607 Fifth ave.
 Eltzuer D. 2 b 1427 Madison ave.
 Elwell, A. E. 1 t
 1230 Amsterdam ave.
 Ely, L. S. 3 t 1230 Amsterdam ave.
 Emery, S. p Commercial High
 School, Bklyn.
 Emsheimer, H. 4 c 102 W. 69

- Endelman, E. *ph*
1522 Madison ave.
- Enfer, E. P. *1 m* 510 E. 58
- Engelbrekt, A. C. *3 t*
New Rochelle
- Engelson, J. E. *4 m*
1968 Hughes ave.
- Engle, M. E. *ph*
1230 Amsterdam ave.
- English, J. T. *1 m* 362 W. 57
- Enos, H. C. *s* 531 W. 113
- Epstein, L. *1 c* 145 Hart, Bklyn.
- Epstein, M. *2 c* 314 E. 56
- Erler, E. W. *3 m* 336 Sussex
ave., Newark, N. J.
- Ernst, A. E. *3 b*
1370 Prospect ave.
- Ernst, F. C. *1 b* 152 W. 122
- Ernst, M. *4 b* 4 W. 101
- Erskine, H. *ph* 606 W. 113
- Erskine, H. P. *fa*
113 Waverley pl.
- Erstein, R. *4 b* 43 E. 63
- Espinosa, A. *3 m* 128 W. 61
- Espinosa, C. *2 s* 416 W. 118
- Essex, W. L. *4 c* 409 W. 117
- Estee, R. G. *2 s* 608 W. 113
- Etting, R. W. *2 s*
194 Riverside Dr.
- Evans, A. J. *1 c* 705 W. 112
- Evans, A. W. *4 s* Hartley
- Evans, E. G. *4 b* 418 W. 160
- Evans, E. R. *1 m* 328 W. 56
- Evans, J. H. *4 c* Montclair, N. J.
- Everett, E. G. *2 b*
227 St. Ann's ave.
- Ezekiel, B. *1 s* 49 W. 85
- Faber, G. W. *3 m* 430 W. 20
- Fabian, F. G. *3 s* Hartley
- Fackenthal, F. D. *4 c* Hartley
- Fairchild, R. D. *4 b* 557 W. 124
- Fairchild, R. P. *3 m* 557 W. 124
- Fairley, E. *ph* 282 Quincy, Bklyn.
- Fales, J. T. *4 t* 415 W. 115
- Falk, H. C. *1 b*
1364 Lexington ave.
- Falls, L. *4 t* 321 W. 94
- Falls, M. E. *4 t* 523 W. 123
- Fanner, E. A. *fa* 1207 Bergen,
Bklyn.
- Farrell, J. R. *2 m* 447 E. 149
- Farrelly, G. M. *pl* 224 W. 137
- Farrelly, S. V. *1 c*
Morristown, N. J.
- Farrer, H. E. *2 s* 205 Sunnyside
ave., Bklyn.
- Fauver, Edgar *1 m* 31 W. 61
- Fay, A. H. *s* Livingston
- Fedter, B. *ph* 613 E. 155
- Feifer, D. *2 l* 109 East 81
- Feigenbaum, G. *4 t* 740 E. 9
- Feigenbaum, W. M. *2 c*
122 Rockaway ave., Bklyn.
- Felberbaum, D. *4 m* 168 E. 103
- Feld, H. *2 m* 74 E. 105
- Feldman, J. W. *2 m* 340 E. 85
- Feldman, L. M. *fa* 557 W. 124
- Felt, C. A. *pl* Madison, N. J.
- Felter, R. S. *2 s*
Haverstraw, N. Y.
- Fenton, J. W. *3 t* 25 E. 124
- Ferenczy, A. *4 s* 245 W. 24
- Ferguson, W. E. *1 s*
2343 Old Bway.
- Fernandez, F. M. *2 m* 144 W. 65
- Ferns, E. *2 b* 346 Union ave.,
Mt. Vernon, N. Y.
- Ferrari, R. A. *ph* 327 E. 116
- Ferrin, F. A. *1 t* 418 W. 118
- Ferris, C. H. *1 l* 419 W. 118
- Ferris, O. B. *4 c* 45 N. Fullerton
ave., Montclair, N. J.
- Ferris, P. P. *ph* 520 W. 123
- Ferris, R. H. *ph* 41 E. 69
- Fettretch, C. S. *4 s* 335 W. 88
- Fichandler, A. *ph* 134 E. 101
- Fiedler, A. *2 s* 889 Greene ave.
- Field, W. B. O. *p* 645 Fifth ave.
- Finch, J. K. *4 s*
700 West End ave.
- Findeisen, W. E. *1 m*
230 Rutland rd., Bklyn.
- Fine, A. *4 m* 236 Christopher,
Bklyn.
- Fine, J. *2 l* 24 W. 115
- Fink, E. L. *2 b* Westfield, N. J.
- Fink, M. *4 m* 37 W. 114
- Finnigan, J. J. *ph* 157 W. 63
- Fischer, H. A. *4 m* 122 W. 122
- Fischer, H. B. *2 l* 129 W. 70
- Fischer, S. *3 s* 314 E. 15
- Fish, H. P. *2 c* 31 W. 90
- Fish, J. B. *p* 79 W. 115
- Fish, S. C. *ph* 175 Ninth ave.
- Fishel, L. H. *1 s* 301 W. 108
- Fishel, L. H. *ph* Babylon, L. I.
- Fisher, C. *1 s* 419 W. 117
- Fisher, C. F. *4 m* 242 Osborn,
Bklyn.
- Fisher, J. R. *2 l* 544 W. 113
- Fisher, L. M. *4 t* 41 E. 70
- Fisher, W. *2 l* Hartley
- Fitzpatrick, E. R. *4 t* 69 Pike
- Flanders, J. A. *2 s*
551 Manhattan ave.

Flanigan, W. A. 3 c Hartley
 Fleissner, G. L. 3 s 246 E. 4
 Fleming, W. B. ph
 Maplewood, N. J.
 Flemming, E. A. 4 m
 540 McDonough, Bklyn.
 Fletcher, M. B. 3 t 505 W. 124
 Fletcher, W. T. gr t 414 W. 124
 Flexner, M. pl 417 W. 118
 Fliederblum, H. J. 2 l 306 W. 125
 Flint, A. K. 4 t
 1230 Amsterdam ave.
 Flint, C. W. ph Bayville, L. I.
 Floyd, C. H. 1 l Hartley
 Floyd, L. C. pl 5 W. 125
 Fluhrer, L. P. 2 s 604 W. 114
 Fluhrer, M. 1 l 604 W. 114
 Flynn, M. E. 3 t 16 W. 128
 Focht, M. ph St. Mary's School,
 Garden City, L. I.
 Foeller, H. C. E. s 334 W. 47
 Fogel, W. P., Jr. 1 s 130 Home
 ave, Rutherford, N. J.
 Foncar, F. H. 3 m
 1275 Lexington ave.
 Fontaine, M.-L. 4 b 541 W. 124
 Fontrier, M. M. A. p 202 W. 128
 Fouts, H. 1 s 210 W. 107
 Foot, N. C. 3 m Hotel Calumet,
 340 W. 57
 Foote, H. 1 s 27 W. 46
 Forbes, F. B. 2 s 8 W. 56
 Ford, A. 1 t 1 E. 113
 Ford, F. G. 3 l
 Morristown, N. J.
 Ford, W. A. 4 c 22 S. Bway.,
 White Plains, N. Y.
 Forman, A. G. 1 c
 2394 Seventh ave.
 Forsch, H. 3 c 31 W. 86
 Forsch, S. S. 4 c 31 W. 86
 Forst, L. B. 4 s Livingston
 Forstot, S. 3 m 86 Norfolk
 Forsyth, M. L. (Mrs.) ph
 509 W. 112
 Fort, J. I. 3 m
 Fortmann, A. 4 t 268 Morgan,
 Union Hill, N. J.
 Foshay, F. E. 4 b 315 Irving ave.,
 Port Chester, N. Y.
 Fossas, E. J. 1 s 525 W. 123
 Foster, W. E. ph 51 E. 97
 Foster, W. W. 1 s 14 Cottage,
 Newark, N. J.
 Foucht, P. L. (Mrs.) pl
 209 W. 109
 Fowler, H. 2 c 627 W. 115
 Fowler, R. H. 4 c 60 E. 68

Fowler, R. L., Jr. 1 c 26 W. 10
 Fowler, S. ph 418 W. 118
 Fox, E. F. 1 b 80 Joralemon,
 Bklyn.
 Fox, I. J. 1 c 127 E. 79
 Frachtenberg, L. J. ph 124 Allen
 Fraher, T. A. 2 s 254 W. 115
 Franc, C. B., Jr. 4 s Hartley
 Francis, C. A. 3 t 239 W. 141
 Francis, W. C. f a 530 W. 123
 Frank, A. 1 l 364 W. 116
 Frank, C. D. ph 531 W. 124
 Frank, E. E. 4 b 138 W. 78
 Frank, J. A. 2 c 28 E. 76
 Franke, C. E. 3 t Hudson Ter-
 race, Tarrytown, N. Y.
 Frankenthaler, G. 2 l
 1215 Madison ave.
 Frankfield, H. 4 b 26 W. 85
 Franklin, M. s 112 W. 47
 Franzen, B. ph 364 W. 116
 Fraser, L. 1 c 311 W. 77
 Frazier, M. L. ph 116 W. 134
 Frechette, M. D. 3 t
 1230 Amsterdam ave.
 Freeborn, E. J. 4 t 537 W. 123
 Freed, J. H. 3 b 110 W. 74
 Freidenrich, E. 4 b 124 and Bway.
 Freidenrich, M. M. ph 3120
 Bway.
 Frelinghuysen, P. H. B. 2 l
 27 W. 48
 French, F. F. 1 s 1020 E. 162
 French, R. M. 2 s
 New Rochelle, N. Y.
 Freund, M. 4 s 116 W. 133
 Fricke, W. M. 4 b
 431 Riverside Dr.
 Fridenberg, P. 3 t 114 W. 126
 Fried, E. S. 2 l 47 W. 87
 Fried, J. A. 2 s Livingston
 Fried, R. 4 b 1 W. 94
 Frierder, W. 4 m 16 E. 117
 Friedland, A. A. f a 211 W. 106
 Friedland, J. M. 3 s 157 Ave C.
 Friedland, L. S. ph 63 E. 103
 Friedman, H. G. pl 524 W. 123
 Friedman, S. S. 4 m 209 E. 72
 Friedman, W. H. 3 s
 172 Rivington
 Friend, L. L. gr t
 Friess, L. L. 3 t Bryn Mawr,
 121 and Amsterdam ave.
 Frink, M. H. 1 b 124 W. 11
 Frink, R. M. pl 526 W. 123
 Froeberg, S. ph 400 W. 124
 Fröhlich, L. D. 2 c
 1841 Lexington ave.

Goldman, A. 4 m 50 E. 98
 Goldman, M. I. p Livingston
 Goldsmith, E. M. 4 b 50 W. 75
 Goldsmith, F. I. 1 c 53 W. 89
 Goldsmith, I. I. 3 l Hartley
 Goldsmith, L. W. 3 t
 1230 Amsterdam ave.
 Goldsmith, T. ph 1320 Fifty-
 Second, Bklyn.
 Goldstein, E. 1 l
 Goldstone, L. P., Jr. 1 s
 Gollomb, J. ph 59 E. 100
 Goodale, H. D. p 211 W. 108
 Goodbody, W. U. 2 l
 Haledon, N. J.
 Goodhart, H. 3 b 21 W. 81
 Goodkind, M. 2 c 108 E. 109
 Goodlatte, A. R. p Passaic, N. J.
 Goodman, A. 1 c 628 E. Sixth
 Goodman, E. 2 c 106 W. 86
 Goodwin, E. L. 1 b 2647 Bway.
 Goodwin, G. M. 1 c 54 Rich-
 mond rd., Tompkinsville, S. I.
 Goodwin, H. H. 4 s
 386 Manhattan ave.
 Goodyear, N. (Mrs.) 4 b
 466 W. 140
 Goold, E. H. p Gen. Theol. Sem.
 Gordon, C. T. 4 c 36 East Park,
 East Orange, N. J.
 Gordon, D., Jr. 4 m
 1 St. Felix, Bklyn.
 Gordon, F. 3 b Guttenberg, N. J.
 Gordon, H. 4 t
 1230 Amsterdam ave.
 Gordon, N. f a 80 Second ave.
 Gordon, P. A. 3 c Hartley
 Gorman, J. B. pl 144 Rodney,
 Bklyn.
 Gorren, D. 2 s Rye, N. Y.
 Gossett, A. J. 1 m 108 W. 116
 Gottesman, A. 4 m 278 E. 7
 Gould, A. 2 t 2 W. 129
 Gould, K. 2 s 195 Bway.
 Gould, M. R. 3 t
 1230 Amsterdam ave.
 Gowans, E. 4 t 457 W. 123
 Graham, H. R. 2 s 536 W. 114
 Graham, J. E. 4 m 137 W. 63
 Granberry, D. W. 3 m 48 Har-
 rison, E. Orange, N. J.
 Grant, A. C. 1 b 81 Buena Vista
 ave., Yonkers, N. Y.
 Grant, E. J. 1 c 25 E. 104
 Grant, E. T. 1 t 17 Madison ave.
 Grant, L. 3 b 312 W. 112
 Grant, R. A. ph 60 W. 13
 Grant, W. H. p 148 W. 132

Gravenhorst, P. G. 3 l
 304 Carlton ave., Bklyn.
 Graves, A. C. 2 m 101 Broad
 Gray, H. Y. 2 b 246 Fourteenth,
 Bklyn.
 Gray, J. E. 1 c 246 Fourteenth,
 Bklyn.
 Gray, J. H. 2 m 153 E. 86
 Greeff, G. E. H. ph 627 W. 115
 Green, E. L. f a
 892 West End ave.
 Green, F. W. 1 c Hotel Balmoral
 Greenbaum, W. E. 1 c
 278 W. 119
 Greenberg, A. B. f a 70 E. 3
 Greenberg, J. ph
 165-167 Broome
 Greenberg, L. 2 m 50-52 E. 3
 Greene, R. de C. 4 s 507 W. 112
 Greenspan, S. 4 m 294 E. 3
 Greenstein, L. f a
 2331 Seventh ave.
 Greenwood, E. M. 4 b 233 W. 138
 Greer, M. M. f a
 Governor's Island, N. Y.
 Gregory, L. H. p
 1230 Amsterdam ave.
 Greiff, V. 3 s 166 W. 79
 Grendon, F. ph 17 Lexington ave.
 Grieve, J. 1 s 59 Kearney ave.,
 Perth Amboy, N. J.
 Griffin, E. F. 2 c
 Tarrytown, N. Y.
 Griffin, P. F. 1 c 500 W. 124
 Griffith, J. M. 3 l Hartley
 Griffith, P. 3 t 526 W. 123
 Groeschel, L. B. 4 m
 213 Alexander ave.
 Gromer, S. D. pl 527 W. 123
 Gros, C. P. (Mrs.) 737 Sixth st.
 Grossman, L. J. 4 m 86 Seigel,
 Bklyn.
 Groszman, W. H. 4 c 157 W. 64
 Grudberg, S. C. 3 m 311 E. 85
 Gruenberg, B. C. p 69 W. 88
 Grunsky, C. E., Jr. 3 s
 Livingston
 Guebin, L. ph Packer Institute,
 Bklyn.
 Guernsey, G. C. 1 c Livingston
 Guerrlich, F. C. 4 s 533 W. 145
 Guile, H. V. 3 m 54 Pine
 Guiteras, H. G. 1 s 108 W. 103
 Gurlitz, A. L. pl 109 Clark,
 Bklyn.
 Guth, A. C. f a Hartley
 Gutman, M. 1 c
 1070 Madison ave.

- Guysi, J. 3 t* 1230 Amsterdam ave.
Gwinn, R. l 1161 Amsterdam ave.
- Haan, H. I. f a* St. Regis Hotel
Haas, E. 2 t 240 W. 102
Haas, G. C. O. ph 64 E. 7
Haefelin, F. J. ph 420 W. 121
Haffey, G. W. 4 t 367 W. 116
Hageman, G. R. ph 139 W. 84
Hagemann, R. H., Jr. 2 c
 228 Johnson ave., Bklyn.
- Hahn, C. W. p*
 1649 Amsterdam ave.
- Hahn, R. 1 c* 416 W. 118
Haigh, C. S. 1 s 265 McDonough
Haight, C. M. 4 s 153 W. 132
Haight, J. McV. 3 c St. Anthony
 Hall, 116 and Riverside Dr.
- Haines, C. G. pl*
 510 Manhattan ave.
- Hakes, M. 1 t* 220 Riverside Dr.
- Hale, F., Jr. 1 m* 431 W. 117
- Hall, C. D. 4 b* 255 E. Sidney
 ave., Mt. Vernon, N. Y.
- Hall, C. L. 2 s* 419 W. 118
Hall, E. ph 501 W. 120
Hall, E. C. f a 608 W. 113
Hall, E. R. 3 t 587 Lafayette
 ave., Bklyn.
- Hall, F. C. 3 c* 429 W. 117
Hall, F. E. ph 99 Tonnele ave.,
 Jersey City, N. J.
- Hall, H. E. 1 s* 429 W. 117
Hall, N. C. ph 9 Guion,
 New Rochelle, N. Y.
- Hall, T. 1 b* 255 E. Sidney ave.,
 Mt. Vernon, N. Y.
- Hallock, E. M. 4 t* 404 W. 124
Hallock, F. B. 2 s 440 First ave.
- Halpin, Z. P. 3 s* 3472 Bway.
- Halsey, F. 3 t* 512 W. 57
- Halsey, M. 3 t*
 1230 Amsterdam ave.
- Halsey, R. D. 1 c* Hartley
- Halsey, S. A. 1 m* 333 Mt. Pros-
 pect ave., Newark, N. J.
- Halsted, H. H. ph* 214 W. 105
- Hamel, G. 2 t* 276 Broad st.,
 Newark, N. J.
- Hamilton, G. A. 2 l* 531 W. 124
- Hammerschlag, H. A. 2 s*
 632 E. 147
- Hammond, H. O. 1 c* 203 W. 109
- Haner, C., Jr. 3 c* 147 W. 105
- Hangarter, A. H. 2 m* 200 Stagg,
 Bklyn.
- Hanke, A. G. 1 s* Livingston
- Hanke, E. O. J. 2 c* Livingston
- Hankins, F. H. pl* 503 W. 124
- Hanley, K. V. 1 t*
 Rockaway Beach, L. I.
- Hannan, W. S. 2 t* 968 E. 160
- Hanson, B. W. 1 t* 525 W. 141
- Hanson, G. C. 1 c* 47 Rochester
 ave., Bklyn.
- Harcourt, E. t*
 1230 Amsterdam ave.
- Harcourt, N. t* 151 W. 105
- Hard, S. 2 s* 417 W. 117
- Hardin, M. E. ph* 324 Belleville
 ave., Newark, N. J.
- Harding, R. 4 t* 211 W. 109
- Hardwick, L. B. 3 b*
 1230 Amsterdam ave.
- Hardy, A. L. ph* 404 W. 115
- Harlam, E. J. 2 c* 301 W. 105
- Harper, H. 2 l* 92 W. 103
- Harper, P. T. 3 m* 129 W. 81
- Harrington, G. A. 4 t*
 1230 Amsterdam ave.
- Harrington, J. T. 4 m* 34 W. 61
- Harrington, M. R. 3 c*
 503 W. 124
- Harris, H. B. 4 m* 39 Cleveland,
 Orange, N. J.
- Harris, H. S. 3 t* Hartley
- Harris, W., Jr. c*
 411 West End ave.
- Harris, W. M. 3 l*
 1161 Amsterdam ave.
- Harrison, E. S. ph* 359 Fourth,
 Bklyn.
- Harrison, L. 2 c* 397 Gates ave.,
 Bklyn.
- Harson, H. N. c* 329 W. 51
- Hart, A. 4 b*
 1230 Amsterdam ave.
- Hart, L. 4 m*
- Hart, N. gr t* 218 W. 112
- Hartman, W. 3 c* 20 E. 95
- Hartmann, H. G. ph* Bway., cor.
 Thrall pl., Woodhaven, L. I.
- Hartog, V. 3 s* 605 W. 113
- Hartwell, G. W. p* Livingston
- Harvitt, H. J. 3 b* 192 Hooper,
 Bklyn.
- Hasbrouck, M. 3 t* 646 E. 25
- Haskell, A. 4 b* Paterson, N. J.
- Haskell, J. (Mrs. H. S.) ph* 501 W. 120
- Haskell, R. H. 3 c* 209 W. 108
- Hastings, E. I. 1 b* 429 W. 117
- Hastings, M. 3 t* 119 E. 86
- Hatch, A. B. (Mrs.) 3 t* 420 W. 118
- Hatch, L. A. 3 t* 524 W. 123

Hatheway, C. R. 4 t
Stamford, Conn.
Haurahan, J. G., Jr. 1 c
346 W. 56
Hauser, J. O. 2 c
14 E. 87
Hausmann, F. W. 3 s
2154 Fifth ave.
Hawkins, W. M. fa
514 E. 87
Hawley, G. fa Tarrytown, N. Y.
Hayes, C. H. pl Hartley
Hayes, F. H., Jr. 1 c
929 West End ave.
Hayman, J. ph 204 Berkeley pl.,
Bklyn.
Haynes, A. F. 4 t
1230 Amsterdam ave.
Haynes, J. E. 4 b 2213 Fifth ave.
Hays, A. L. b
254 W. 105
Hays, C. L. 2 l
2880 Bway.
Hays, M. R. 2 b
9 W. 121
Hayward, V. S. 2 m
215 W. 147
Heald, E. de F., Jr. ph
Gen. Theol. Sem.
Healey, E. J. 2 l Concourse and
183
Heaphy, G. M. 3 t
256 W. 108
Heaton, J. P. 2 l
59 Linden,
Bklyn.
Hebberd, E. A. 1 b 170 Franklin ave.
Heckert, J. W. gr t
506 W. 130
Hedemann, F. F. 3 m
210 W. 72
Hedges, A. t
402 W. 124
Hedley, H. W. 1 b
2768 Morris
ave., Bedford Pk., N. Y.
Heebner, H. K. pl
Union Theol. Sem.
Hehre, F. W. 2 s
105 E. 96
Heidelberger, M. 1 c
38 W. 93
Heidgerd, G. H. 3 s
142 W. 122
Heidtmann, A. W. 54 Mt. Vernon
ave., Mt. Vernon, N. Y.
Heighe, F. C., Jr. 1 s
411 W. 117
Heim, L. 2 b
143 W. 119
Heiman, H. 4 c
Livingston
Heiman, Jacob 3 m
144 W. 113
Heiman, Jesse c
Livingston
Heimann, E. 4 b
315 W. 105
Heintze, R. W. ph
Hawthorne, N. Y.
Helbig, W. H. 1 m
362 W. 46
Hellenberg, L. H. 4 c
130 W. 136
Heller, W. I. ph
123 Avenue C
Hellin, E. B. 1 b
1085 Park ave.
Hellin, L. 3 b
1085 Park ave.
Helmrich, E. W. 2 b
New Rochelle, N. Y.
Helmrich, G. L. 1 s
8 Franklin
ave., New Rochelle, N. Y.

Henderson, H. 3 b 7 Henry, Flat-
bush, Bklyn.
Henderson, J. L. gr t
439 W. 123
Hendricks, E. ph
18 E. 80
Henes, E., Jr. 4 c
128 E. 93
Henes, H. W. 1 s
128 E. 93
Hennen, W. D. m
39 W. 36
Henriksen, M. E. p
Henriques, M. C. p
238 E. 123
Henry, J. McC. ph
Union Theol. Sem.
Henry, M. W. 4 m
56 Clark,
Bklyn.
Henschel, L. K. 4 m
1239 Washington ave.
Hentz, H. F. fa
66 W. 93
Herbermann, C. G., Jr. 2 m
223 W. 25
Herreshoff, J. B. fa
516 W. 111
Herring, J. P. pl
Union Theol.
Sem.
Herrmann, A. 2 c
234 E. 72
Herrmann, H. 3 t
58 E. 124
Herrmann, L. C. b
52 E. 82
Herrmann, S. 4 b
147 W. 103
Hershenstein, C. 1 c
241 Newark
ave., Jersey City, N. J.
Hershfield, A. L. 2 b
159 E. 64
Hershman, A. M. ph
3 E. 112
Herts, B. R. 2 c
69 W. 89
Herts, H. H. 1 c
Hartley
Herzberg, M. J. 3 c
170 Bruce,
Newark, N. J.
Herzfeld, B. F. 3 b
147 W. 86
Herzfeld, M. G. 2 s
210 W. 128
Hess, E. 4 s
340 E. 20
Hess, J. S. 3 l
Bway. and 69
Hess, M. H. 1 c
24 W. 85
Hetherington, F. S. 3 c
Hotel Marie Antoinette
Heumann, E. M. 1 s
251 W. 137
Hevesh, J.
531 W. 123
Hewitt, L. P. 2 l
Hartley
Hewitt, R. H. 1 m
158 W. 65
Heydrick, B. A. gr t
131 W. 142
Heyman, H. A. 1 s
54 Edgecomb ave.
Heyse, C. J. 3 t
109 W. 111
Hibbard, F. H. gr t
1230 Amsterdam ave.
Hickenlooper, G. L. fa
7 W. 92
Hierapolis, G. S., de Jr. 1 s
102 W. 139
Higgins, F. A. 2 c
59 W. 128
Higgins, J. C. 3 l
Livingston
Highsmith, J. H. gr t
506 W. 130
Hilborn, J. 3 b
22 W. 96
Hildreth, A. W. 1 l
520 W. 123

- Hill, G. C. 3 c Hartley
 Hill, H. gr t 1230 Amsterdam
 ave.
 Hill, H. W. 3 s 409 W. 117
 Hill, J. A. 4 t 1230 Amsterdam ave.
 Hill, R. T. pl 503 W. 124
 Hiller, R. H. ph 222 E. 62
 Himelhoch, I. 3 c Hartley
 Hinck, C. F., Jr. 1 s Montclair, N. J.
 Hinckley, F. E. l 419 W. 118
 Hinkel, E. J. 1 s 223 E. 72
 Hirschberg, S. M. 3 c 302 Central Park West
 Hirschowitz, A. ph 314 E. 116
 Hirsh, R. T. 1 s 164 E. 72
 Hoag, J. A. 1 s 369 Waverly ave.,
 Bklyn.
 Hoag, L. H. fa Bronxwood pk.,
 Williamsbridge, N. Y.
 Hochheimer, R. 1 b 1311 Madison ave.
 Hochschild, S. 3 s Livingston
 Hochstadter, I. 1 s 216 W. 139
 Hockaday, E. b 2766 Decatur ave.,
 Bedford pk.
 Hodgetts, A. S. ph 226 Bay 35,
 Bklyn.
 Hodgkins, G. ph 210 W. 107
 Hodgkinson, H. H. c Livingston
 Hodsdon, E. W. 1 b 190 Harrison
 ave., Jersey City, N. J.
 Hoenninger, J. C. 3 l 54 E. 108
 Hoermann, M. 2 b 1208 Bloom-
 field, Hoboken, N. J.
 Hoerner, G. 2 l Livingston
 Hoexter, H. H. 4 t 786 Cauldwell ave.
 Hoff, H. C. 3 m 1779 Madison ave.
 Hoffman, F. K. 3 l 519 W. 123
 Hofheimer, A. 1 m 313 W. 106
 Hofheimer, H. 3 l 313 W. 106
 Hogan, J. J. 1 l
 Hogan, K. E. 3 t 176 W. 76
 Hoguet, J. P. 3 m 141 and Hudson River
 Holbert, H. H. 1 s Church, Kingsbridge
 Holbrook, A. M. 1 s 554 W. 142
 Holden, E. S. 4 b 416 W. 118
 Holliday, E. P. 2 s 430 W. 118
 Hollis, G. M. 3 t 1368 Pacific,
 Bklyn.
 Hollister, S. T. 4 c 61 E. 91
 Holm, A. S. 1 b Westminster,
 Perth Amboy, N. J.
 Holmes, C. 3 t
 Holmes, E. G. t 1230 Amsterdam ave.
 1230 Amsterdam ave.
 Holmquist, G. S. 2 s 308 W. 93
 Holslag, C. J. 2 s 225 N. James,
 Peekskill, N. Y.
 Holt, R. G. 3 m 144 W. 65
 Holter, P. C. H. 3 c 649 Summit
 ave., Jersey City, N. J.
 Holtzoff, A. 2 c 805 Ninth ave.
 Holzman, A. C. 4 m 937 Bush-
 wick ave., Bklyn.
 Hood, M. C. 4 t 1230 Amsterdam ave.
 Hooper, C. T. Jr. pl 563 W. 185
 Hopkins, A. H. fa Livingston
 Hopkins, E. B. 3 t 44 E. 31
 Hopkins, F. L. 3 s 30 Robins pl.,
 Yonkers, N. Y.
 Hopkins, W. C., Jr. 4 t Helicon Hall, Englewood N. J.
 Hopping, A. T. 3 c 532 W. 114
 Hopping, H. H. 1 s 532 W. 114
 Horan, E. N. 1 b 3 W. 92
 Hornblower, G. S. 2 l 5 E. 89
 Horne, E. R. 2 t 1230 Amsterdam ave.
 Hornidge, H. T. 3 l 224 E. 48
 Horton, B. B. p 70 W. 49
 Horton, M. L. 4 t 1230 Amsterdam ave.
 Hosford, L. P. 4 s 529 Second, Bklyn.
 Hoshino, K. 4 c 64 E. 133
 Hoster, M. T. 2 s 40 Prospect
 Terrace, E. Rutherford, N. J.
 Hough, L. H. pl Cranford, N. J.
 House, F. W.
 House, H. A. 4 s 158 W. 81
 Houston, J. F. 2 b 32 Ward,
 Orange, N. J.
 Houston, O. R. 3 l 25 Mt. Morris Park West
 Howe, C. H. 1 s 100 W. 118
 Howe, W. E. ph Gen. Theol. Sem.
 Howell, A. S. 4 t 415 W. 118
 Howell, E. T. D. 4 m 2147 Seventh ave.
 Howell, J. M. 3 s Livingston
 Howell, R. 1 l 2030 Bway.
 Howland, DeR. 4 m 135 W. 61
 Hoyns, G. W. 3 s Fort Washing-
 ton ave. and Depot lane
 Hoyt, C. ph 420 W. 121
 Hoyt, H. L., Jr. 1 s 9 W. 32
 Hoyt, H. O. 1 c Hartley
 Hoyt, H. S. 1 b Nuiley, N. J.

Hoyt, J. H. 3 t 402 Richmond
Terrace, New Brighton, S. I.
Hoyt, J. R. 4 s 9 W. 32
Hubbard, A. C. 3 t
Hubbard, J. F. W. 1 b
Bloomfield, N. J.
Hubbell, A. H. 2 s
154 Jamaica ave., Bklyn.
Hudson, H. K. 2 s 1 E. 76
Hufeland, E. 2 b 121 N. High,
Mt. Vernon, N. Y.
Hufeland, M. A. 2 b 121 N. High,
Mt. Vernon, N. Y.
Hughes, H. D. f a Hartley
Hulbert, G. A. ph
Union Theol. Sem.
Hulett, A. 3 t
Hults, E. A. s 220 High,
Perth Amboy, N. J.
Hume, H. G. s 526 W. 123
Humphreys, E. W. p
2155 Bathgate ave.
Humphreys, G. H. 2 m 14 W. 64
Hungerford, A. F. 3 t 457 W. 123
Hunsdon, E. C. 2 b 43 Liberty
ave., New Rochelle, N. Y.
Hunt, A. P. ph 1 Chelsea sq.
Hunt, E. K. ph 470 W. 146
Hunt, J. J. 2 m 402 W. 58
Hunter, J. M. pl Gen. Theol. Sem.
Huntington, B. 3 t 232 Quincy,
Bklyn.
Huntington, E. I. 2 c 49 E. 20
Huntington, W. C. 3 s
Livingston
Huntzicker, F. J. 2 s 605 W. 113
Hurlbut, S. A. ph 308 W. 93
Hurley, M. L. 2 s 234 W. 114
Hurty, K. E. 3 b
874 West End ave.
Hurwitz, D. E. 3 l 8 W. 119
Hurwitz, F. 2 m 238 Sackman,
Bklyn.
Hussakof, L. p 1 Pike
Hutchinson, E. J. pl 287 Carroll,
Bklyn.
Hutchinson, G. E. 1 s 51 W. 95
Hutchison, J. 3 t
1230 Amsterdam ave.
Huttmann, M. A. pl
Hutton, M. S. 2 s 319 W. 107
Huyck, R. P. 4 m 35 W. 65
Hwang, Y. L. pl Madison, N. J.
Hyde, C. E. 1 m Hartley
Hyde, M. G. f a 212 Garfield pl.,
Bklyn.
Hyman, D. E. 3 m 113 Ludlow
Hyman, M. 1 l 111 E. 81

Iba, K. I. pl Sedgwick ave., Ford-
ham Heights
Iglehart, C. W. pl Madison, N. J.
Ingalls, F. M. 1 b 206 W. 80
Ingle, F. R. f a 220 W. 105
Ingraham, E. A. ph
444 Clinton ave., Bklyn.
Ingraham, O. pl Livingston
Irving, B. A. gr t Henderson ave.,
New Brighton, S. I.
Irving, L. H. pl Henderson ave.,
New Brighton, S. I.
Irving, S. 3 t 153 W. 106
Isaacs, S. S. 4 c 134 E. 96
Isenburgh, A. 3 c 90 Graham
ave., Bklyn.
Ishibashi, M. P. 330 E. 57
Ishikawa, W. pl
Union Theol. Sem.
Ishikawa, Y. pl 27 Waverly pl.
Israel, M. B. 3 b 25 E. 99
Ittelson, M. 4 m 4701 Sixth ave.,
Bklyn.
Ives, F. L. 1 s 117 E. 30
Ivimey, E. M. 1 b 2667 Marlon
ave., Fordham
Ivins, W. M., Jr. 2 l
25 Madison ave.
Iyengar, S. D. S. s 353 W. 119
Jabine, W. 3 c 365 Warburton
ave., Yonkers, N. Y.
Jackson, C. F. H. 3 c
Westchester, N. Y. City
Jackson, F. W. 2 l
692 West End ave.
Jacobs, E. 3 b
92 Morningside ave.
Jacobs, L. ph 242 E. 30
Jacobs, P. P. pl Madison, N. J.
Jacobs, S. B. 3 c 608 W. 113
Jacobstein, M. pl 524 W. 123
Jacoby, D. C. 1 b 44 W. 72
Jacques, W. S. 1 s 604 W. 115
Jaffe, H. M. 3 m 423 Grove,
Jersey City, N. J.
Jaggard, A. G. 1 b
527 Bedford ave., Bklyn.
James, B. C. 4 b Rahway, N. J.
James, H. 3 m 527 Madison ave.
James, S. S. 3 t 527 W. 124
Jamieson, M. D. t 520 W. 123
Jané, A. C. 4 m 162 W. 66
Janeway, W. R. 2d, 3 m 5 St.
Marks pl., New Brighton, S. I.
Jansen, W. 2 t 532 E. 150
Janvrin, E. R. P. 1 m
191 Madison ave.

- Jaques, G. W., Jr. 2 c 112 W. Jersey, Elizabeth, N. J.
 Jeal, E. R. 2 s Lawrence, L. I.
 Jeidell, H. (Mrs.) 2 b 300 W. 109
 Jellenik, I. E. 3 b 18 E. 60
 Jenkins, F. 3 t 1230 Amsterdam ave.
 Jenkins, J. C. 2 s 173 W. 85
 Jenkins, M. G. 2 l 173 W. 85
 Jenks, E. M. c 482 Tenth, Bklyn.
 Jennings, C. M. p 457 W. 123
 Jessup, D. W. 2 s 413 W. 117
 Jewell, I. E. 4 t 1230 Amsterdam ave.
 Jewett, I. E. t 1230 Amsterdam ave.
 Joachimson, A. 3 b 147 E. 92
 Joelson, M. S. 4 m 66 E. 101
 Joerg, W. L. G. t 12 Schermerhorn, Bklyn.
 Joffe, J. A. ph 530 W. 123
 Johnson, A. L. gr t 211 Holly, Cranford, N. J.
 Johnson, E. E. fa Huntington, L. I.
 Johnson, E. H. (Mrs.) ph 3120 Bway.
 Johnson, F. fa 354 W. 120
 Johnson, F. A. 4 m 129 W. 61
 Johnson, F. C. gr t
 Johnson, H. N. 4 s 324 W. 113
 Johnson, L. P. 3 b 416 W. 118
 Johnson, R. McL., 4 s 416 W. 118
 Johnson, T. J. A. 2 m 203 W. 33
 Johnson, W. C. 1 m 144 W. 65
 Johnston, W. B. 2 s 774 West End ave.
 Johnston, W. H. 3 t 996 Lafayette ave., Bklyn.
 Joly, C. L. s 383 Central Park W.
 Jones, A. de T. O. 2 l 74 Park ave.
 Jones, A. J. gr t 211 W. 108
 Jones, C. R. 1 c Hartley
 Jones, E. C. 2 s 948 Lexington ave.
 Jones, E. E. ph Hartley
 Jones, G. 1 l 222 Madison ave.
 Jones, H. H. 4 t 31 Elm, Bloomfield, N. J.
 Jones, L. 2 s 2047 Seventh ave.
 Jones, M. M. 2 t 1230 Amsterdam ave.
 Jones, O. L., Jr. 1 l 116 W. 72
 Jones, R. C. 3 s 608 W. 113
 Jones, R. H. ph Gen. Theol. Sem.
- Jones, S. M. 3 t 1230 Amsterdam ave.
 Jones, S. S. t 440 W. 124
 Jones, T. M. fa 333 W. 87
 Jordan, C. P. 1 s 302 Central Park West
 Joseph, D. H. 4 c 266 W. 121
 Joseph, I. 4 c 41 E. 69
 Joseph, M. R. H. 2 b 477 Central Park West
 Josephi, E. 2 b 321 Riverside Dr.
 Josephi, R. 4 s 28 W. 95
 Josephs, I. S. 3 s 111 Lenox ave.
 Joshi, S. L. pl Union Theol. Sem.
 Jouard, F. L. p. 337 E. 68
 Jussinklo, W. T. 4 m 81 Fourth ave.
- Kaemmerer, H. A. m 1130 Fox
 Kagan, F. 3 t 444 Grand
 Kahle, H. fa 411 W. 117
 Kahn, E. J. fa 50 E. 83
 Kahn, M. M. 4 c 27 St. Mark's pl.
 Kaiser, G. H. 4 c 214 W. 92
 Kalb, J. A. gr t Milburn, N. J.
 Kanzler, J. 1 l Livingston
 Kaplan, H. 4 s 109 Ludlow
 Kätz, E. J. 1 c 249 E. 68
 Katz, H. M. 1 s 531 W. 124
 Kaufman, A. 4 s 256 W. 129
 Kaufman, I. 4 m 132 W. 109
 Kaufmann, J. H. 1 b 1 W. 94
 Kavanagh, M. I. ph 341 Webster, Long Island City, N. Y.
 Kawai, K. ph Union Theol. Sem.
 Kaye, B. M. 2 l 106 W. 136
 Kayser, C. E. 1 c 71 E. 87
 Keating, T. S. 3 m 316 Willoughby ave., Bklyn.
 Kedian, W. M. fa 307 E. 30
 Keeler, F. Y. 4 c 429 W. 117
 Keeney, C. B. 3 m 11 Bway.
 Keeney, S. 3 b 48 W. 94
 Keep, A. B. pl Hartley
 Kehrlein, E., Jr. 3 c 620 W. 115
 Kehrlein, O. Du F. 3 m 620 W. 115
 Keith, J. S. 2 l Hartley
 Keller, M. 3 m 83 Essex
 Keller, W. B., Jr. 3 c 252 W. 76
 Kelley, W. E. 3 c 116 and Seventh ave.
 Kellington, H. E. pl 700 Park ave.
 Kellogg, J. Y. C. 3 l 604 W. 114
 Kellogg, L. O. 4 s 605 W. 115
 Kellogg, P. U. pl 105 E. 22
 Kellogg, W. A., Jr. 2 c Hartley

Kells, L. C. *ph*
 Kelly, E. E. *1 c*
 1088 Lafayette ave., Bklyn.
 Kemp, W. C. B. *pl* Hartley
 Kempf, E. M. *3 t* 112 Bleeker,
 Newark, N. J.
 Kendall, E. C. *2 s* 531 W. 113
 Kendler, J. *4 c* 5 E. 105
 Kennedy, A. J. *pl* 361 Fourth,
 Bklyn.
 Kennedy, C. F. *1 c* 502 E. 84
 Kennedy, F. W. *1 s* 758 Ave. A,
 Bayonne, N. J.
 Kennedy, J. M. *4 t*
 1230 Amsterdam ave.
 Kennedy, M. S. *ph* 124 W. 126
 Kennedy, W. W. *c* 15 W. 73
 Kenney, M. F. *1 b* 358 E. Second,
 Plainfield, N. J.
 Kentwell, L. K. *l* Livingston
 Keppler, E. A. C. *ph* 220 W. 107
 Kern, R. R. *ph* Livingston
 Kerner, A. M. *2 b* 27 Woodlawn
 ave., Jersey City, N. J.
 Kerns, M. I. *4 t*
 1230 Amsterdam ave.
 Kerr, L. *1 b* 45 Chestnut,
 Englewood, N. J.
 Ketcham, M. *3 t* Ossining, N. Y.
 Kibbe, E. J. *4 m* 343 W. 56
 Kilbourne, C. G. *4 s*
 272 Manhattan ave.
 Kilian, T. P. *4 s* 421 W. 144
 Kiliani, R. B. *c* 116 E. 57
 Kilroe, E. P. *3 l* 166 Grand,
 Jersey City, N. J.
 Kimball, A. A. *4 t* 210 W. 107
 Kimball, E. *fa*
 Kimball, P. W. *4 m* 247 W. 74
 Kimbel, W. A. *1 c* 320 W. 104
 King, A. C. *3 t* 166 W. 123
 King, H. F. *2 s* 604 W. 114
 Kingsbury, J. W. *p* 419 W. 115
 Kingsland, G. L. *1 c* 62 Fifth ave.
 Kingsley, R. *4 m*
 225 Riverside Dr.
 Kinkaid, E. M. *4 t*
 Kinney, B. J. *3 t* Englewood, N. J.
 Kinney, M. B. *3 t*
 1230 Amsterdam ave.
 Kinnison, E. *gr t* 528 W. 123
 Kirby, C. H. *fa*
 Kirk, E. *3 c* 554 W. 125
 Kirk, W. P. *2 s* 544 W. 113
 Kirschberg, H. *4 s* 30 W. 128
 Kissell, M. L. *4 t* 417 W. 120
 Kitson, H. W. *3 s* 202 W. 74

Klaber, E. H. *fa*
 389 Manhattan ave.
 Klaber, W. *p*
 389 Manhattan ave.
 Klaber, B. *1 t* 42 W. 88
 Kleeberg, G. S. P. *2 l*
 3 Riverside Dr.
 Klein, B. M. *3 b* 100 W. 80
 Klein, C. L. *2 t* 3602 Third ave.
 Klein, D. *ph* 81 Ave. C
 Klein, F. E. *2 l* 206 E. 30
 Klein, J. C. *2 t* 100 W. 80
 Klein, M. I. *2 b* Floral Pk., L. I.
 Kleinberg, S. *2 m* 103 Varet,
 Bklyn.
 Klenke, J. H., Jr. *fa*
 1165 Park ave.
 Kline, H. J. *4 c* 635 E. Ninth
 Kloster, V. E. *1 b*
 215 St. John's pl.
 Knakal, W. R. *4 s* 1042 First ave.
 Knapp, H. O. *1 s* 35 W. 75
 Knapp, R. E. *3 m* 110 Main,
 Hackensack, N. J.
 Knauff, G. *ph* Gen. Theol. Sem.
 Knesel, A. E. *2 t* 288 Carroll,
 Bklyn.
 Knickerbocker, W. E. *ph*
 145 W. 128
 Kniffin, L. M. *4 s* 27 Ryle ave.
 Paterson, N. J.
 Knight, C. W. *p* 361 W. 123
 Knight, H. H. *1 s* 306 W. 109
 Knight, J. J. *fa* 508 W. 112
 Knight, J. L. *2 s* 221 W. 49
 Knight, W. D. *3 c* 544 W. 113
 Knox, E. E. (Mrs.) *fa* 210 Tenth
 Hoboken, N. J.
 Knox, E. M. *4 b* 256 W. 123
 Knox, J. *pl* 203 W. 108
 Kobbé, F. W. *2 c* 142 E. 18
 Kobbé, G. L. *3 l* 109 E. 29
 Kobler, E. W. *4 m* 39 W. 92
 Koechl, O. R. *2 l*
 47 Montgomery pl., Bklyn.
 Koehler, B. K. *2 t* 84 Kip,
 Rutherford, N. J.
 Koenig, N. A. *ph* 80 W. 12
 Koenig-King, A. *ph* 105 W. 42
 Kohlberg, H. S. *1 s* 8 W. 131
 Kohlman, N. *fa* 28 E. 119
 Kohn, A. *fa* 5 E. 106
 Kohn, I. C. *3 b* 13 E. 75
 Kohn, J. A. *2 l* 18 E. 95
 Kohn, L. *ph* 1138 Madison ave.
 Kohut, E. *4 b* 781 West End ave.
 Koken, W. T. *s* 505 W. 112
 Kolff, L. *2 b* 404 W. 115

- Kong, S. T. *p* Livingston
 Koo, V. K. W. *1 c* Hartley
 Kovar, A. *ph* 104 W. 109
 Kowles, H. H. *s* 367 W. 117
 Kozminsky, L. M. *2 s* Hartley
 Kraetzer, E. R. *ph* 2770 Morris ave.
 Kraft, W. J. *fa* 65 Prospect
 ave., Mamaroneck, N. Y.
 Kramer, H. F. *3 m* 84 Tillary,
 Bklyn.
 Kramer, I. *2 m* 27 W. 111
 Krans, E. S. *3 m* 29 W. 84
 Kraus, A. *2 s* 508 E. 89
 Krauss, F. I. *4 c* 12 Washington
 pl., E. Orange, N. J.
 Kress, O. *4 s* 438 W. 116
 Kreuder, H. E. *4 s* 62 W. 97
 Kroeber, E. *p* 207 W. 107
 Kroeber, J. *p* 207 W. 107
 Kröger, H. A. *3 s*
 Spuyten Duyvil, N. Y.
 Kropff, A. H. *2 s* 136 W. 119
 Krueger, K. O. P. *4 s* 519 W. 123
 Kruse, F., Jr. *3 s* 7 W. 101
 Kudlich, B. *1 c* 153 W. 21
 Kudlich, H. F., Jr. *1 s* 153 W. 21
 Kuesel, A. E. *2 i* 288 Carroll,
 Bklyn.
 Kunz, G. H. *c* 49 W. 57
 Kunz, K. A. *ph*
 1230 Amsterdam ave.
 Kupfer, E. *p* 44 W. 97
 Kupfer, V. B. *1 b* 911 Park ave.
 Kurr, F. L. *1 s* 465 W. 147
 Kuser, P. D. *s* 441 E. 57
 Kutscher, S. *1 m* 100 Broad,
 Stapleton, S. I.
 Kuwashima, H. *pl* 242 W. 116
 Kysor, C. H. *fa* Hartley
 Kyte, J. H. *2 s* 541 W. 124
 Ladd, D. *4 t* 417 M. 120
 La Pétra, W. W. *2 l* 54 W. 104
 Laffer, O. *ph* 5 W. 107
 Lage, F. *3 s* 531 W. 113
 Laing, J. A. *1 l* 2880 Bway.
 Lake, H. *pl* 504 W. 112
 Lamb, A. R. *3 m*
 527 Madison ave.
 Lamb, E. G. *pl* 352 E. 86
 Lamb, W. F. *fa* 253 Bway.,
 Flushing, L. I.
 Lamberson, W. *3 m* 329 W. 58
 Lambord, B. F. *fa*
 100 Hamilton pl.
 Lamke, D. H. *2 s* 35 Pineapple,
 Bklyn.
 Lamson, C. *3 t*
 1230 Amsterdam ave.
 Lancer, J. J. *1 m*
 1336 Washington ave.
 Landers, M. H. *4 s* Hartley
 Landesman, I. L. *3 m* 309 E. 4
 Landsman, I. J. *4 m* 15 E. 113
 Lane, W. K. *gr t*
 67 Seventh ave., Bklyn.
 Langford, G. *p*
 1230 Amsterdam ave.
 Langworthy, H. M. *2 l* Hartley
 Larkin, A. G. *3 m* 363 W. 19
 Larsen, E. *3 t* 408 W. 124
 Lasher, F. H. *4 m* 159 W. 64
 Latham, H. S. *1 c* 17 Pleasant
 pl., Arlington, N. J.
 Lathrop, S. A. *ph* 415 W. 115
 Lau, R. F. *2 c* 120 W. 102
 Laux, T. A. *2 s* 394 Stirling pl.,
 Bklyn.
 LaVake, R. T. *1 m* 22 Belair rd.,
 Rosebank, S. I.
 Lavandera, M. *1 m* 363 W. 58
 Lawlor, M. J. *4 m* 129 W. 64
 Lawrence, G. A. *3 l* 10 E. 58
 Lawson, G. P. *1 t* 527 W. 124
 Lawson, L. *3 t*
 1230 Amsterdam ave.
 Lay, S. E. *3 b* 2137 Fifth ave.
 Leaning, E. H. *1 s* 15 E. 48
 Leary, D., Jr. *1 c* 5 W. 125
 Leary, R. W. *ph* Hartley
 Leavenworth, E. W. *1 l*
 Leber, O. H. *2 m* 928 Bloomfield,
 Hoboken, N. J.
 Lebowitz, W. *4 s*
 1528 Brook ave.
 Lebwith, E. F. *4 m* 43 E. 112
 Lederer, M. *4 m* 164 Lorimer,
 Bklyn.
 Lee, A. *4 b* 1230 Amsterdam ave.
 Lee, A. M., Jr. *2 c* 439 W. 123
 Lee, E. B. *4 b*
 1230 Amsterdam ave.
 Lee, E. C. *b* 1230 Amsterdam
 ave.
 Lee, J. B. *p* 439 W. 123
 Lee, O. *1 b* 27 Manhattan ave.
 Lee, W. R., Jr. *4 m* 314 W. 56
 Leerburger, B. *1 b* 306 W. 99
 Lefferts, M. C., Jr. *1 s* 34 E. 65
 Lehman, E. H. *ph* Livingston
 Leibenderfer, R. J. *3 l* 521 W. 123
 Leiper, M. A. *ph*
 296 Manhattan ave.
 Leland, A. P. *ph* 420 W. 121
 LeRoy, R. *1 l* 28 Seventh ave.

Lester, C. F. *pl* 115 W. 84
 Lester, J. D. *pl* Ramsey, N. J.
 Lester, M. L. *4 t* 515 W. 124
 Leuchs, F. A. H. *2 c* 628 E. 145
 Levin, H. *3 s* 216 E. 14
 Levine, B. M. *4 m* 1567 First ave.
 Levy, A. S., Jr. *3 c*
 71 and Central Park West
 Levy, B. *3 c* 202 E. 68
 Levy, B. M. *2 l* 224 E. 118
 Levy, E. *fa* 267 W. 113
 Levy, E. B. *2 l* 20 Second ave.,
 New Brighton, S. I.
 Levy, H. A. *p* 1054 Boston rd.
 Levy, I. J. *2 m* 157 W. 124
 Levy, J. *1 b* 202 E. 68
 Levy, R. A. *1 b*
 1340 Madison ave.
 Lewin, J. C. *3 s* 101 N. Main,
 Port Chester, N. Y.
 Lewine, H. S. *3 c*
 813 Lexington ave.
 Lewis, A. B. *ph* 500 W. 131
 Lewis, B. L. *4 b* 331 S. First ave.,
 Mt. Vernon, N. Y.
 Lewis, H. T. *4 m* 35 W. 65
 Lewis, J. V. *p*
 New Brunswick, N. J.
 Lewis, L. C. *2 c* 80 Perry
 Lewis, R. C. *2 l* Livingston
 Lewis, S. *ph*
 1230 Amsterdam ave.
 Lewisohn, J. A. *3 s* 9 W. 57
 Lewisohn, S. A. *2 l* 9 W. 57
 Lewyn, O. M. *2 s* 50 E. 91
 Lichtenberg, J. C. A. A. *4 s*
 60 W. 129
 Lichtenstein, G. *3 m*
 1834 Lexington ave.
 Lichter, B. A. *2 c*
 1723 Madison ave.
 Lieb, C. C. *4 m* 317 W. 57
 Liebler, T. A., Jr. *3 c* Hartley
 Liebovitz, S. *1 c* Arverne, L. I.
 Lilienthal, F. P. *4 b* 60 W. 129
 Lincoln, F. C. *p* 457 W. 123
 Lindeman, H. E. *4 m* 129 W. 93
 Lindgren, O. H. *3 s* Livingston
 Lindo, A. *3 s* 134 W. 78
 Lindstrom, C. F. *pl*
 Gen. Theol. Sem.
 Linehan, P. H. *p*
 17 Lexington ave.
 Lingley, C. R. *pl* 522 W. 123
 Linn, P. H. *2 t* Hartley
 Lipke, J. *p* 784 E. 148
 Lippmann, F. B. *4 c* 113 E. 81
 Lippmann, H. M. *1 c* 113 E. 81

Lisle, H. L. *2 t*
 1230 Amsterdam ave.
 Lisman, O. C. *3 s* Livingston
 Lissauer, A. W. *1 s*
 477 Central Park West
 Litchfield, B. S. *s*
 Hotel Touraine, 39
 Litchfield, R. B. *4 s* 203 Clinton
 Littenberg, S. J. *2 m* 333 E. 57
 Little, G. D. *1 c* 34 St. John's pl.,
 Bklyn.
 Little, J. M. *3 s* Livingston
 Livermore, M. *3 t* 524 W. 123
 Livingston, A. A. *ph* Hartley
 Lloyd, D. *1 l* 430 W. 118
 Lloyd, K. E. *1 s* Hartley
 Lobdell, J. N. *3 t* 36 W. 127
 Lobeck, A. E. *1 c* Haworth,
 Bergen Co., N. J.
 Locke, L. *3 b* 11 Hanson pl.,
 Bklyn.
 Locke, P. E. *1 s* 346 W. 71
 Loder, G. E. *1 c*
 Port Chester, N. Y.
 Loder, I. H. *4 c*
 Port Chester, N. Y.
 Loeb, H. *2 b* 12 W. 84
 Loening, G. C. *1 c* 152 W. 76
 Loening, R. R. *3 l* 152 W. 76
 Loewy, A. A. *s* 1829 Seventh ave.
 Logan, U. *1 b*
 2705 Bainbridge ave.
 Lomer, G. R. *gr t* 605 W. 115
 London, J. F. *4 t* 273 E. Bway.
 London, M. *l* 64 W. 115
 Long, A. B. *3 t*
 1230 Amsterdam ave.
 Long, K. M. *4 t*
 1230 Amsterdam ave.
 Long, W. B. *1 m*
 902 West End ave.
 Look, S. M. *gr t* 3 E. 130
 Loomie, L. S. *1 s* 238 W. 122
 Loomis, J. H. *ph* 237 E. 104
 Lord, M. E. *3 b* 136 State,
 Bklyn.
 Losee, F. I. *pl* 224 Broad,
 Bloomfield, N. J.
 Loshe, L. D. *ph* Hotel Regent,
 Bway. and 70
 Lott, H. C. *gr t* 510 W. 124
 Love, T. R. *4 m* 56 Clark,
 Bklyn.
 Loveman, M. H. *1 c* 210 W. 139
 Lowd, E. F. *ph* 419 W. 118
 Lowenthal, A. *3 b* 32 Greenpoint
 ave., Woodside, N. Y.
 Lowie, R. H. *ph* 138 W. 117

- Lublin, C. *ph* 78 W. 82
 Lucas, D. R. 3 *m* 102 W. 64
 Lucas, E. B. 3 *t* 205 W. 107
 Lucas, E. DeL. *ph*
 Union Theol. Sem.
 Luce, F. L. 4 *c* 102 W. 69
 Ludlow, T. R. 2 *l* 479 Third,
 Bklyn.
 Ludlow, T. W. *fa* 3120 Bway.
 Ludwig, A. 4 *t* 87 Diamond,
 Bklyn.
 Luhrs, I. 1 *c* 153 North,
 Jersey City, N. J.
 Lukens, E. F. 3 *c* 306 W. 109
 Lund, F. N. 3 *s* 4 W. 130
 Luscomb, H. T. 2 *s* 439 Macon,
 Bklyn.
 Lutes, M. M. 4 *t*
 1230 Amsterdam ave.
 Luth, E. H. 3 *t* 54 W. 105
 Luthlen, W. *fa* 709 Grand
 Lyman, G. D. 1 *m* 118 W. 64
 Lynch, G. A. 1 *t* 104 E. 101
 Lynn, E. A. 2 *l* 141 W. 11
 Lynn, H. H. E. 3 *s* 162 W. 96
 Lynne, M. *pl* 500 W. 121
 Lyon, D. O. 2 *m* 328 W. 56
 Lyon, E. C. 4 *m* 328 W. 56
 Lyon, W. W., Jr. 2 *s* 157 W. 92
 Lyons, A. *pl* 526 Eighth,
 Bklyn.
 Lyons, A. C. 2 *s* 51 E. 79
 McAneny, L. G. 2 *l* 413 W. 117
 McBain, H. L. *pl* Livingston
 McBaine, R. H. 3 *m* 41 W. 60
 McCall, J. F. 2 *c* 1621 Madison ave.
 McCarthy, C. A. 2 *m* 135 W. 61
 McCarthy, C. D. 2 *s* 312 Seventh,
 Bklyn.
 McCarthy, T. 4 *c* 137 W. 120
 McCartney, E. B. 2 *s* Hartley
 McCary, T. F. *pl* Hartley
 McChrystal, M. A. 2 *s* 531 W. 124
 McClave, D. 2 *s* 627 W. 115
 McClelland, G. W. *ph*
 17 Lexington ave.
 McClement, T. B. *ph*
 Union Theol. Sem.
 McCloin, H. G. 3 *s* 413 W. 117
 McCluskey, R. J. 2 *m* 304 W. 55
 McColl, C. A. 2 *l* Livingston
 McCook, J. A. *ph* 10 W. 54
 McCormack, W. G., Jr. 4 *m*
 1062 E. 176
 McCormick, J. E. 1 *m* 728 High,
 Newark, N. J.
 McCoun, F. H., Jr. 1 *c* 133 W. 75
 McCoy, P. J., Jr. *c* 414 W. 149
 McCready, R. L., Jr. 3 *m*
 228 W. 127
 McCulloch, P. L. 1 *s* 429 W. 117
 McCully, M. S. 4 *t* 12 W. 101
 McCully, O. S. *t* 12 W. 101
 McCurdy, D. 3 *t* 420 W. 121
 McDonald, J. E. 2 *l* 417 W. 117
 McDonald, J. O. 1 *m* 333 W. 58
 McDowell, P. *p* 40 W. 93
 McElwee, R. S. 2 *c* 431 W. 117
 McFall, J. M. *ph* 523 W. 124
 McFarlane, J. 2 *t*
 1230 Amsterdam ave.
 McGehee, A., Jr. 3 *l* Hartley
 McGill, F. C. *gr t* 220 W. 123
 McGovney, D. O. *pl* 517 W. 124
 McKaig, J. S. 2 *s* 608 W. 113
 McKallagat, P. L. 4 *m* 129 W. 61
 McKee, E. Du B. 3 *b* 557 W. 124
 McKee, T. J. 2 *l* Livingston
 McKenna, B. C. 3 *l* Livingston
 McKennis, H. 1 *l* 2880 Bway.
 McKim, C. L. *pl* 37 Fairview,
 Yonkers, N. Y.
 McKim, J. C. *ph* Gen. Theol. Sem.
 McKinlay, C. M. 3 *c*
 Tenafly, N. J.
 McKinney, F. W. 4 *s* Livingston
 McKnight, J. A. *gr t* 527 W. 123
 McLane, F. M. 3 *b*
 107 Morningside ave.
 McLaughlin, P. 3 *b* 254 W. 136
 McLaury, C. H. *ph* 525 W. 123
 McLawry, F. S. 1 *c*
 McLean, C. S. 2 *m* 531 W. 113
 McLean, M. 1 *b*
 1230 Amsterdam ave.
 McLelland, M. 2 *t*
 1230 Amsterdam ave.
 McLoughlin, J. B. 2 *l* Valentine
 ave. and 199
 McMahan, A. E. M. 3 *t*
 306 E. Bway.
 McMaster, A. M. C. 1 *c* 308 W. 93
 McMorrow, T. J. 1 *l* 63 E. 91
 McNamara, E. J. *gr t* 96 Henry,
 Bklyn.
 McNary, E. E. 4 *t* 527 W. 125
 McNeely, E. *pl*
 1230 Amsterdam ave.
 McNidlen, F. L. 4 *b* 18 W. 113
 McNulty, E. T. 4 *m*
 441 McDonough, Bklyn.
 MacColl, G. B. 4 *b* 410 W. 115
 MacColl, J. 4 *b* 410 W. 115
 MacCutcheon, A. 2 *s*
 Desbrosses Street Pier

MacCutcheon, P. J. 2 s
Pier 30, N. R.
MacDonald, C. 4 t Nepperhan
Heights, Yonkers, N. Y.
MacDonald, E. ph
1230 Amsterdam ave.
MacDonald, P. 4 t
1230 Amsterdam ave.
MacDonald, W. T. s Livingston
MacDonough, P. J. 1 l 309 W. 114
MacDowell, A. L. 2 t
1230 Amsterdam ave.
MacEwan, E. L. 3 b
131 Clifton ave., Newark, N. J.
MacGreevy, W. J. 2 c 38 W. 131
MacKallor, DeW. C. 4 s
140 W. 91
MacLear, A. B. pl 457 W. 123
MacMahon, E. W. 3 l
57 Lafayette ave., Bklyn.
Mabee, W. S. 2 c
Macbeth, R. W. 4 c Hartley
Macdonald, A. S. fa 544 W. 113
Macdonald, C. D. 4 c
431 Riverside Dr.
Macdonald, H. S. G. gr t
1230 Amsterdam ave.
Macdonald, M. P. 2 b
803 Madison ave.
Mackenzie, C. pl
Dobbs Ferry, N. Y.
Mackenzie, J. C., Jr. 1 c
604 W. 114
Mackin, P. F. pl 108 E. 90
Macrae, R. M. 4 m 141 W. 63
Macy, M. S. 2 t 101 W. 80
Maddock, C. L. 4 t
82 Morningside ave.
Mahony, F. C. 1 s
872 Madison ave.
Mallalieu, W. C. 2 s
90 St. Mark's ave., Bklyn.
Malmberly, T. J. W. 3 l
352 Fourth ave.
Mandelbaum, H. D. 3 m
941 Madison ave.
Mandeville, F. N. 1 m 256 Clin-
ton ave., Newark, N. J.
Mandeville, H. 3 t 420 W. 123
Manfred, M. E. ph 47 Hancock,
Bklyn.
Mangan, J. J. 1 c Livingston
Manley, A. L. 2 b 303 W. 133
Mann, K. ph 415 W. 118
Mann, M. B. 3 t
1230 Amsterdam ave.
Manning, J. T. gr t
2676 Marion ave.

Manny, F. A. gr t 414 W. 118
Mapelsden, R., Jr. 2 c 415 W. 117
Mapes, C. D. 1 s 62 W. 127
Mapes, M. C. 1 s 62 W. 127
Marcus, A. 2 l 292 Seventh
Marcus, C. 3 c 72 W. 91
Marcus, S. S. 3 l 1516 Brook ave.
Marren, M. L. 2 b
1230 Amsterdam ave.
Marsden, W. E. 1 l Livingston
Marsh, A. L. 4 t
1230 Amsterdam ave.
Marsh, D. 4 t 528 W. 123
Marsh, R., Jr. 3 s 235 W. 75
Marsh, T. McC. 2 l
East Orange, N. J.
Marshall, A. M. 2 b
63 Buffalo ave., Bklyn.
Marshall, M. O. 2 b 3611 Bway.
Marshall, R. P. 1 s
433 Central Park West
Marshall, W. R. 2 s 1011 Tiffany
Marston, J. P. 1 c 317 W. 56
Martin, A. N. pl 97 Engle,
Englewood, N. J.
Martini, A. 1 t
912 Crotona Park South
Martland, R. 3 c 1138 Broad,
Newark, N. J.
Marwick, R. H. 4 c 239 W. 141
Marx, A. B. 1 s 247 W. 111
Masbach, G. 1 t 853 West End ave.
Mascord, E. F. 3 t 69 Montague,
Bklyn.
Masland, M. E. ph 607 Fifth ave.
Mason, C. L. 2 t 248 W. 129
Mason, J. A. C. pl 230 W. 123
Massee, W. W. ph 70 W. 38
Massell, A. S. gr t 397 Grand
Masterton, R. C. 3 c 418 W. 144
Mastin, F. J. 2 b 415 W. 118
Mastin, R. R. 2 c 415 W. 118
Mathews, M. E. t 142 W. 139
Mathewson, C. A. gr t Hartley
Matz, L. 1 s 1858 Seventh ave.
Maurice, C. 3 t 416 W. 118
Maves, A. E. 4 c 567 W. 171
Maxon, M. 2 b 239 S. 10 ave.,
Mount Vernon, N. Y.
Maxwell, C. R. gr t 520 W. 123
May, C. A. fa 464 Classon ave.,
Bklyn.
May, C. C. fa 529 Monroe,
Bklyn.
May, E. R. 1 s 306 W. 109
Mayer, A. 1 b 36 E. 63
Mayer, C. 2 c 41 E. 72
Mayer, F. 4 b 41 E. 72

- Mayer, L. *1 m* 116 W. 118
 Mayer, MacD. *f a* 104 St Mark's
 ave., Bklyn.
 Maynard, E. T. *4 c* 409 W. 117
 Mayo, M. J. *pl* 167 W. 143
 Mayo-Smith, L. *4 b* 305 W. 77
 Mays, V. G. *gr t* 402 W. 124
 Mead, C. B. *f a* Hartley
 Mead, C. S. *p* 211 W. 108
 Mead, F. L. *gr t* Bay ave.,
 City Island, N. Y.
 Mead, F. S., Jr. *1 c* Hartley
 Mead, N. P. *pl* Jerome ave.
 and 174
 Mead, R. H. *2 s* 605 W. 113
 Meade, R. P. *4 t* 500 W. 121
 Medalie, G. Z. *2 l* 20 E. 132
 Meeker, M. M. *3 t* 307 Lenox ave.
 Mehler, L. *1 c*
 Meise, A. H. *1 m* 59 Barker ave.,
 Williamsbridge
 Meisel, A. W. *3 l* Hartley
 Mela, H. F. *1 l* 217 E. 61
 Melitzer, S. *1 c* 246 Rivington
 Mellen, A. V. *3 t* 524 W. 123
 Mellick, A. C. *ph* 316 W. 84
 Melville, J. W. *1 c* 85 Reade
 Mendelsohn, C. J. *ph* Hartley
 Mendelson, S. *4 c* 200 W. 111
 Mendes, M. P. *3 t* 235 W. 76
 Menke, W. *1 s* 155 W. 63
 Menocal, J. G. *2 s* Hartley
 Mentzel, C. *1 s* 8 Beach Terrace,
 Bronx
 Merchant, E. O. *pl* Hartley
 Meredith, H. M. *1 l*
 Merklinger, T. E. *2 s* 156 Penna.
 ave., Newark, N. J.
 Merrill, E. B. *2 l* Livingston
 Merriman, M. H. *4 m* 8 W. 51
 Merritt, J. H. *4 s*
 Tarrytown, N. Y.
 Merritt, J. I. *2 s* 614 W. 113
 Merritt, L. R. *4 s* 611 W. 114
 Mestre, H. *2 s*
 Madison ave. and 29
 Metzenthin, W. E. *ph*
 Meudes, M. P. *gr t* 235 W. 76
 Meyer, G. A. *3 l* 42 W. 44
 Meyer, H. F. *2 s* 346 E. 53
 Meyer, H. H. *gr t* 418 W. 118
 Michael, J. *2 l* 146 W. 121
 Michael, M. *2 l* Livingston
 Michaelis, W. *3 l* 60 E. 93
 Michailovsky, B. *2 m* 146 W. 121
 Middleton, C. D. S. *c* 56 W. 33
 Middleton, F. *2 t*
 366 St. Nicholas ave.
 Milbank, H. *1 l* 154 W. 48
 Milkman, W. B. *1 c*
 244 Garfield pl., Bklyn.
 Millard, B. *1 s* Livingston
 Miller, B. *ph* 419 W. 118
 Miller, C. B. *c*
 246 Central Park West
 Miller, D. G. *1 s* 605 W. 112
 Miller, D. H. T. *3 c*
 1997 Madison ave.
 Miller, E. *4 t* 505 W. 124
 Miller, E. C. *2 l* Livingston
 Miller, E. H. *1 b* 73 E. 92
 Miller, G. E. *3 m* 11½ W. 65
 Miller, H. R. *2 c* 59 Butler,
 Bklyn.
 Miller, J. *3 s* 244 W. 104
 Miller, L. *3 m* 15 Suffolk
 Miller, M. A. *2 b* 314 W. 104
 Miller, M. C. *3 t* 17 E. 124
 Miller, M. H. *2 l* Livingston
 Miller, R. M. *3 c*
 591 West End ave.
 Miller, S. L. *4 c*
 Miller, W. T. *2 s* 604 W. 114
 Millett, K. B. *3 s* 250 W. 88
 Mills, F. M. *2 t* 121 W. 120
 Mills, H. M. *gr t* 600 W. 125
 Mills, J. S. *p* 155 W. 65
 Mills, L. M. *t* Rye, N. Y.
 Mills, R. V. A. *4 s* 411 W. 117
 Mills, W. M. *3 m* 251 W. 55
 Miltenberger, A. *1 s* Livingston
 Miltenberger, W. *1 s* Livingston
 Miner, G. M. *3 t*
 138 and Lenox ave.
 Miner, M. E. *pl* 147 W. 114
 Minett, A. MacM. *1 c* 352 E. 32
 Miningham, W. D. *4 m* 113 Sus-
 sex, Jersey City, N. J.
 Minkin, J. *3 c* 83 Canal
 Mischlich, A. *gr t* 108 E. 71
 Mishkin, V. *2 s* 79 Clinton
 Mitchell, C. von E. *3 c* 24 W. 10
 Mitchell, J. P. *ph* 416 W. 118
 Mitchell, P. B. *b* 479 W. 152
 Mitchell, W. S. *3 c* 24 W. 10
 Mixsell, R. B. *3 m* 340 W. 57
 Mockridge, O. A. *4 m* 144 W. 65
 Mockridge, R. W. *c*
 71 and Columbus ave.
 Moeckel, C. R. *3 m* 165 W. 64
 Moegling, B. T. *2 s*
 College Point, L. I.
 Moeller, P. *ph* 6 W. 75
 Moench, R. E. *3 t* 520 W. 123
 Moller, H. L. *l* 505 W. 124
 Möller, J. *f a* 544 W. 113

Monks, W. D. 3 s 351 S. Third
ave., Mount Vernon, N. Y.
Monroe, O. L. 2 m 329 W. 58
Monsky, J. 1 t 318 E. 9
Montague, N. W. (Mrs.) b
510 W. 124
Montgomery, G. G. ph 504 W. 112
Monty, A. H. 4 m 927 Park ave.
Moonan, W. T. 1 s 50 W. 104
Mooney, H. C. 1 s 119 W. 76
Moore, G. D. 2 t 1253 Garden,
Hoboken, N. J.
Moore, G. E. 2 t 515 W. 124
Moore, G. G., Jr. 4 c
833 Madison ave.
Moore, H. N. 3 t Hartley
Moore, J. H. ph 8 W. 119
Moore, N. L. 2 b 40 W. 127
Moore, P. A. 2 l Livingston
Moore, R. C. B. 3 c
Chatham, N. J.
Moore, W. F. 1 c Briggs ave.
Mora, E. J. 3 s Livingston
Morales, L. f a 350 W. 58
More, D. H. 3 m 144 W. 65
Morehouse, E. 2 b 310 W. 123
Moretsky, H. M. 4 m 486 Hudson
Morewood, F. E. f a
Englewood, N. J.
Morgan, E. pl St. Agnes
Chapel, W. 91
Morgan, T. C. 1 c
1173 Bushwick ave.
Morgan, W. R. 1 c 520 W. 123
Morgenthau, F. J. 4 b 155 W. 77
Morgenthau, H. ph 30 W. 72
Morgulis, S. p 117 Henry
Mori, V. W. 3 c 234 Fifth
Moriarty, M. L. 1 t 66 Post,
Yonkers, N. Y.
Morrill, C. V., Jr. p 69 W. 130
Morris, A. B. 4 s 190 W. 100
Morris, D. H. 1 m 161 W. 87
Morris, J. B., Jr. f a 204 W. 94
Morrison, C. E. 3 t Nutley, N. J.
Morrison, G. L. 4 t 526 W. 123
Morrow, W. C. 3 l 530 W. 123
Morse, L. B. p 524 W. 123
Moses, A. 3 s 1042 First ave.
Moses, A. S. 1 c 452 W. 144
Moses, J. gr t 100 E. 7
Moses, N. B. 1 c 118 W. 111
Moss, A. B. 1 c 306 E. 120
Mott, I. ph 221 W. 123
Mott, K. 2 s 309 Nelson ave.,
Peekskill
Mott, W. W. 1 m 541 W. 124
Mount, R. T. 3 l Livingston

Mucklow, W. B. 1 s Hartley
Muir, D. D., Jr. 4 s Livingston
Mullen, L. B. p Morris High
School, 166 and Boston rd.
Muller, A. H. 2 b 203 W. 122
Müller, F. 1 s
1198 Franklin ave.
Mulry, K. M. 3 t
1230 Amsterdam ave.
Munker, M. J. 3 m 1 W. 92
Murdoch, A. M. 4 t 242 W. 58
Murn, C. J. 3 m 16 Greene,
Paterson, N. J.
Murphy, H. C., Jr. 1 s
105 Willow, Bklyn.
Murphy, J. F. 4 t 340 Beech,
Richmond Hill, L. I.
Murphy, W. D. 2 c 40 E. 49
Murray, A. 3 t 26 Jones
Murray, B. L. p
770 St. Nicholas ave.
Murray, J. E. 3 t 507 W. 124
Murray, L. S. f a 77 Mountain
ave., Montclair, N. J.
Murray, T. R. 1 c 339 E. 87
Murtfeldt, F. W. ph
Union Theol. Sem.
Murtha, M. W. 4 b 2508 Bway.
Myers, A. S. 4 c 309 W. 70
Myers, C. H. ph Drew Theol.
Sem. Madison, N. J.
Myers, G. 3 l 275 Seventh
Myers, J. 1 l 309 W. 70
Myers, W. L. ph 64 W. 95
Myerson, A. 2 m 252 W. 55
Nadolsky, W. L. 2 s
262 E. Bway.
Naething, J. B. 2 l 267 W. 72
Nakamura, J. gr t Livingston
Nammack, C. H. 1 c 42 E. 29
Nammack, E. F. ph
Wadleigh High School
Nason, A. H. ph N. Y. Univ.,
University Heights
Nassan, B. F. 3 t
1230 Amsterdam ave.
Nathan, E. M. 4 c 15 W. 86
Nathan, M. N. 1 c 35 W. 86
Nathan, S. 2 s 1130 Tinton ave.
Navarro, J. R. 1 s 557 W. 124
Nave, M. D. 1 l Hartley
Nebeker, A. C. 4 s
902 West End ave.
Negus, J. C. 2 s 605 W. 115
Neidlinger, W. f a 315 W. 94
Nelson, A. 3 t
1230 Amsterdam ave.

- Nelson, A. P. *ph* 334 W. 36
 Nelson, E. A. *2t* 907 Jackson ave.
 Nelson, J. M. *p* Livingston
 Nelson, N. E. *2t* 417 W. 47
 Nesbitt, W. M. *pl* 304 W. 99
 Nessler, E. C. *3t* 300 W. 109
 Neumann, H. *ph* 33 W. 114
 Neustadt, R. M. *1c* 141 W. 136
 Newbold, H. *1b* 508 W. 113
 Newborg, S. *2l* 25 Broad
 Newcomer, H. *p* 17 Carroll,
 Yonkers, N. Y.
 Newell, W. *3s* 315 W. 97
 Newland, A. M. *4b* 550 W. 113
 Newland, M. C. *2b* 550 W. 113
 Newman, B. *1m* 324 E. 79
 Newman, C. A. *P. gr t*
 997 Union ave.
 Newpher, H. *4t*
 1230 Amsterdam ave.
 Newton, E. R. *3s*
 288 St. Nicholas ave.
 Nicholas, E. *4t*
 Nichols, C. *ph* 413 South Bway.,
 Yonkers, N. Y.
 Nicholson, J. H. *3t* 369 Clinton
 Nieder, P. G. *4s*
 Nielsen, K. *2t* 500 W. 121
 Niemann, E. *4s* 301 E. 10
 Nies, M. A. *4b* 6 Auburn,
 Paterson, N. J.
 Nifenecker, E. A. *pl*
 167 St. Nicholas ave.
 Nijer, C. V. *t* 1230 Amsterdam ave.
 Nighman, C. E. *1c* 22 W. 35,
 Bayonne, N. J.
 Nilsen, A. *2m* 27 W. 88
 Nisbet, C. *fa* 418 W. 118
 Nissenson, S. G. *pl* 108 W. 124
 Noble, May E. *3t*
 1230 Amsterdam ave.
 Nohowel, F. P. *3l*
 Nolan, J. H. *ph* 175 Ninth ave.
 Nolthenius, P. T. *4s* Livingston
 Norden, N. L. *1c* 101 W. 118
 Norris, G. *3c* 415 W. 117
 Norsworthy, L. D. *1s* 557 W. 124
 Northrop, E. H. *gr t*
 1230 Amsterdam ave.
 Norton, C. W. *3m* 328 W. 56
 Norton, H. LeR. *3m*
 80 St. James pl., Bklyn.
 Nostrand, E. S. *fa* 1181 Bway.
 Notman, A. *3s* 608 W. 113
 Novotny, C. J. *3l* Hartley
 Noyes, A. G. (Mrs.) *4t* 501 W. 123
 Nye, B. H. *1c* 118 Locust Hill
 ave., Yonkers, N. Y.
 Oakley, T. P. *1c*
 Y. M. C. A., W. 125
 Ober, A. M. *gr t*
 Oberlander, H. C. *fa* 233 E. 85
 Oberwager, J. *4m* 234 Sixth
 O'Brien, J. G. *1b* 247 Marcy
 ave., Bklyn.
 O'Brien, S. W. *3t* Grove Parson-
 age, Union Hill, N. J.
 O'Connell, E. J. *4c* 417 W. 117
 O'Connell, J. J., Jr. *1c* 340 Dean,
 Bklyn.
 O'Connor, D. J., Jr. *3s* 30 W. 60
 Odencrantz, L. C. *3b* 260 W. 122
 O'Dwyer, V. *2s* 628 W. 138
 Oesterlein, C. R. *3b* 19 W. 129
 Ogden, A. *1c* 411 W. 117
 Ogden, C. J. *ph* 250 W. 88
 Ogilby, R. B. *pl* Gen. Theol. Sem.
 O'Gorman, E. K. *2b* 318 W. 108
 Olinger, H. C. *2c* 65 W. 46
 Oliver, C. W. *2c* 23 N. 17,
 East Orange, N. J.
 Oliver, J. W. *4t* 36 W. 127
 Oller, M. *gr t* 3287 Bway.
 O'Loughlin, G. S. *3l* 521 W. 149
 Olsan, H. *1m* 1591 Third ave.
 Olsberg, A. M. *pl* 73 E. 66
 Olyphant, R. M., Jr. *4s* 16 E. 52
 O'Mahoney, J. C. *2c*
 Grinnell ave., Corona, L. I.
 O'Mahoney, V. D. *P. 1s*
 2338 Old Bway.
 O'Neil, L. D. *2s* 526 W. 123
 Openhym, W. A. *1l*
 352 Riverside Dr.
 Oppenheim, E. *1b* 13 W. 88
 Oppenheimer, E. D. *3m* 56 E. 66
 Oppenheimer, F. G. *4m* 49 W. 85
 Orcutt, H. W. *4t* 511 W. 122
 Ornstein, A. *1s* 520 W. 123
 Osborn, R. S. *2s*
 82 N. Bway., Yonkers, N. Y.
 Osborn, S. R. *1s* 6 Fifth, New
 Brighton, S. I.
 Osburn, R. C. *p* 510 W. 124
 O'Shea, A. L. *3l* 200 W. 70
 Osnato, M. *4m* 336 E. 13
 Osterhout, W. B. *2c*
 Freeport, N. Y.
 Otis, A. H. *2c* 2 E. 119
 Otis, W. B. *ph* 504 W. 112
 Ott, A. H. *3t* 1972 Third ave.
 Ott, C. A. *4s* 1972 Third ave.
 Otten, L. F. *3s* 31 Winyah ave.,
 New Rochelle, N. Y.
 Outtersen, B. E. *2t*
 1230 Amsterdam ave.

Overbeek, J. B. 2 s 605 W. 113
 Overman, B. 3 s 391 West End ave.
 Owen, G. G. 3 t 1230 Amsterdam ave.
 Owen, M. S. 3 m 161 W. 64
 Oxnam, T. H., Jr. s Livingston
 Pack, F. J. p 1292 Amsterdam ave.
 Packard, H. 3 t 1230 Amsterdam ave.
 Paddock, J. 4 b 141 W. 70
 Paganini, P. S. 2 s 280 Fourth
 Paine, A. M. 3 t 1230 Amsterdam ave.
 Palen, L. E. t 2066 Fifth ave.
 Palleske, T. E. 4 t 89 Bway.,
 Port Richmond, S. I.
 Palliser, G. A. f a 1397 Ocean ave., Flatbush
 Palliser, H. L. p 1397 Ocean ave.,
 Bklyn.
 Palmblad, H. V. E. 3 c 711 Lafayette ave., Bklyn.
 Palmer, A. P. 4 s 531 W. 113
 Palmer, G. A. 3 t 420 W. 121
 Palmer, H. C. gr t 505 W. 124
 Palmer, L. A. 3 t 235 E. 18
 Palmer, W. G. 3 c 320 Manhattan ave.
 Palmer, W. S. 3 s Livingston
 Panaroni, A. G. ph 343 W. 43
 Pardee, H. E. B. 4 c 74 W. 48
 Parker, W. D. 3 l Hartley
 Parks, J. L., Jr. 3 c 103 E. 21
 Parmelee, M. F. pl 184 Eldridge
 Parraga, F. U. 1 c 1038 Fifth ave.
 Parsons, M. W. 2 t Rye, N. Y.
 Parsons, P. A. pl Plainfield, N. J.
 Partridge, G. W. 3 m 62 W. 66
 Patch, H. E. ph Bretton Hall,
 Bway. and 86
 Patou, F. W. 1 m 328 W. 56
 Patteson, S. G. 4 t 1270 Amsterdam ave.
 Paul, W. A. 1 c Jersey City, N. J.
 Peacock, W. T. 3 s 384 Madison, Bklyn.
 Pearce, C. A. 2 s 139 W. 121
 Pease, M. C., Jr. 4 m 46 W. 83
 Peck, F. M. 2 b 511 W. 112
 Peck, J. A., Jr. 2 s Pelham Manor, N. Y.
 Peiser, D. W. 3 c 52 E. 80
 Pell, W. H. D. 1 c 341 E. 50
 Pelonsky, S. B. 3 t 101 W. 114

Pelt, C. G. t 524 W. 123
 Pendleton, K. 1 t 1230 Amsterdam ave.
 Pendleton, V. 4 t 1230 Amsterdam ave.
 Penndorf, L. M. ph 864 Amsterdam ave.
 Percival, H. S. ph 175 Ninth ave.
 Percy, I. C. 3 t 1230 Amsterdam ave.
 Perham, B. E. 3 t 524 W. 123
 Perkins, E. G. 3 t 1294 Bergen,
 Bklyn.
 Perrier, J. L. ph 220 E. 49
 Perrin, E. B., Jr. 2 l 312 W. 113
 Perrin, E. N. ph 312 W. 113
 Perrine, H. 3 c 820 West End ave.
 Perry, A. C. F. 3 s Aqueduct
 ave., Fordham Heights
 Perry, A. J. t 1230 Amsterdam ave.
 Perry, R. M. 4 c 531 W. 113
 Persei, D. W. c Hartley
 Pershing, C. L. 2 m 34 W. 61
 Peshkin, H. C. 2 s 130 Chrystie
 Peterson, M. L. 2 b 935 College ave.
 Pett, C. G. 3 t 524 W. 123
 Peyser, E. R. 3 t 64 W. 91
 Peyser, H. F. 1 c 203 W. 112
 Phelps, G. M. 3 m New Rochelle, N. Y.
 Philipson-Stow, H. M. s 421 W. 117
 Phillips, C. 4 m 4 W. 115
 Phillips, E. 1 b 15 E. 80
 Phillips, H. S. 1 b 15 E. 80
 Phillips, M. 4 t 1230 Amsterdam ave.
 Phillips, W. 3 m 147 W. 63
 Philp, M. I. ph 414 W. 118
 Phipps, C. B. p East Rockaway, L. I.
 Pickett, W. J. 3 t 36 Morningside ave.
 Piel, H. G. 1 c 245 W. 72
 Piel, W. F. J. 1 l 544 W. 113
 Pierce, F. E. sp m 5 W. 125
 Pierrepont, S. L. 3 c 116 and
 Riverside Dr.
 Pierson, C. M. 4 t 430 W. 123
 Pierson, H. gr t Ridgetield Park,
 N. J.
 Pigott, R. J. S. 4 s 44 Lake,
 White Plains, N. Y.
 Pinckney, M. M. 4 t 1230 Amsterdam ave.

- Pinkham, G. R. gr t The Stella,
 W. Kinney, Newark, N. J.
 Pinks, J. L. 3 l 213 W. 122
 Pitou, E., Jr. 4 s 301 W. 84
 Pitou, E. E. gr t 538 Madison,
 Bklyn.
 Pitt, G. fa 902 West End ave.
 Pitzele, C. 1 s 1473 Washington ave.
 Piutti, M. fa
 Plate, H. H. 4 b 316 W. 112
 Pletcher, N. M. pl 10 St. Nicholas Terrace
 Pocock, C. 4 s Livingston
 Podell, D. 2 l 90 Second ave.
 Poindexter, U. H. 2 s Livingston
 Points, J. S. 3 b 40 Vroom,
 Jersey City, N. J.
 Poland, E. E. 3 t 130 Macon,
 Bklyn.
 Polishook, S. N. 4 s 131 E. 114
 Poll, D. 2 c 257 Columbia,
 Bklyn.
 Pollitzer, M. L. 4 t 234 Central Park West
 Pomares, M. L. 1 s 138 W. 65
 Pond, L. M. fa 254 W. 85
 Pool, E. M. ph 829 West End ave.
 Poots, A. 4 t
 Popcke, A. G. 4 s 951 Morris ave.
 Popper, J. 1 m 29 First ave.
 Porter, A. K. fa 93 and Central Park West
 Porter, C. H., Jr. 2 m 140 W. 57
 Porter, E. E. 2 c 50 W. 33
 Porter, E. L. 3 t Pompton Lakes, N. J.
 Porter, J. Y., Jr. 4 m Hartley
 Porter, W. R. 4 c 50 W. 33
 Porterfield, A. W. ph 526 W. 123
 Post, C. M. 4 b Woodside, L. I.
 Post, E. S. 4 b Woodside, L. I.
 Post, H. B. 1 s 140 W. 77
 Potter, L. V. H. (Mrs.) fa Metuchen, N. J.
 Powell, F. J. 1 l 331 E. 17
 Powell, H. W. p 112 W. 78
 Powell, J. A. 2 l Livingston
 Powell, L. L. 3 t 1230 Amsterdam ave.
 Powers, J. B. 3 m 363 W. 57
 Prager, R. fa 129 E. 74
 Prahl, J. A. 2 b 455 W. 143
 Prall, J. G. 3 s 110 W. 91
 Pratt, C. H. 4 m 95 High,
 Passaic, N. J.
 Pratt, J. S. 3 b 65 Lockwood ave.,
 New Rochelle, N. Y.
 Pray, F. A. 4 t 1230 Amsterdam ave.
 Prentice, I. W. 4 t 501 W. 138
 Prentis, E. A., Jr. 4 s 408 W. 23
 Prentis, H. M. gr t 239 Quincy,
 Bklyn.
 Preston, T. J. ph Union Theol. Sem.
 Pride, G. H. 2 s 726 E. 142
 Prince, J. F. 2 c 188 St. Nicholas ave.
 Proctor, R. H. gr t 533 W. 124
 Prouty, I. G. 3 t 1230 Amsterdam ave.
 Puorro, M. 1 m 82 Underhill ave.,
 Bklyn.
 Purdy, A. L. 2 s 415 W. 117
 Putnam, W. 4 s 413 W. 117
 Quackenbos, G. P. ph 331 W. 28
 Queedy, A. M. 3 s 627 W. 115
 Quigley, S. R. ph 412 W. 115
 Quinby, E. M. 2 b 13 Davis ave.,
 White Plains, N. Y.
 Quinby, M. G. 1 b 1230 Amsterdam ave.
 Quinn, M. K. 2 b 58 W. 127
 Raabe, A. 4 m 630 Courtland ave.
 Rabinovitch, I. E. p 552 W. 125
 Rabinowitz, E. N. p 531 W. 123
 Radin, M. ph 844 Teasdale pl.
 Rae, A. M. 4 b 453 W. 123
 Ragsdale, W. W. 3 l 219 W. 80
 Rainsford, L. F. 1 m 209 E. 16
 Ralph, V. 4 b 253 W. 71
 Ralston, H. 4 t 526 W. 123
 Ramsdell, E. G. 2 m 76 Convent ave.
 Randolph, F. C. F. 3 c 206 W. 96
 Ranson, A. A. 1 m 212 Thirteenth,
 Hoboken, N. J.
 Raphael, A. M. 3 c 65 E. 92
 Rapp, K. L. 3 b 161 Willoughby
 ave., Bklyn.
 Rathgen, M. L. 1 b New Rochelle, N. Y.
 Rattner, C. G. 2 m 79 East Bway.
 Rau, J. H. 1 l 419 W. 115
 Raubicheck, C. W. 2 t 1984 Valentine ave.
 Ray, E. T. 4 m 555 W. 182
 Ray, I. C. 3 b 555 W. 182
 Read, J. P. 4 s Livingston
 Read, M. L. 4 t 515 W. 111
 Reaney, E. J. 4 b 133 W. 92

Reaney, G. H. 3 c 133 W. 92
 Reardon, M. C. R. 3 b Rye, N. Y.
 Reber, J. ph 418 W. 118
 Redding, H. E. ph 1320 Fifty-
 Second, Bklyn.
 Redfield, J. H. fa 119 E. 26
 Redmond, K. C. 1 t 519 W. 123
 Reed, D. B. 2 m 31 W. 61
 Reed, L. R. 2 c 147 E. 61
 Reed, S. A. 4 t
 1230 Amsterdam ave.
 Reeder, I. M. 4 t
 Hastings-on-Hudson, N. Y.
 Reesor, M. sp t 418 W. 118
 Reeves, A. G. 3 t
 Reges, C. H. 3 c 298 Grand ave.
 Reichling, G. A. 1 c 127 Putnam
 ave., Bklyn.
 Reid, J. V. fa 418 W. 118
 Reid, J. W. 4 t Livingston
 Reilley, T. T. 1 l 147 Lenox ave.
 Reilly, K. A. 4 t 33 W. 45
 Reiminger, W. B. 4 t Y. W. C. A.,
 124, near Lenox ave.
 Reilinger, B. H. ph 66 W. 68
 Reizenstein, C. L. 2 s
 1340 Madison ave.
 Rejall, A. E. 4 c
 54 Tompkins pl., Bklyn.
 Remington, H. W., Jr. 1 s
 88 Convent ave.
 Renner, F. A. 3 s
 2065 Valentine ave.
 Rennert, L. C. 2 b 98 E. 114
 Rennert, R. J. p 98 E. 114
 Requa, A. 2 b 536 W. 142
 Restrepo, L. 1 s 688 E. 138
 Reuben, M. 4 m 24 W. 112
 Rey, O. H. ph 318 Marcy ave.,
 Bklyn.
 Reynard, W. 1 l
 Tarrytown, N. Y.
 Reynolds, H. M. 3 t 537 W. 123
 Reynolds, I. A. gr t 6 W. 129
 Reynolds, V. 4 t 537 W. 123
 Rhame, J. F. 4 s Livingston
 Rhodes, L. c Hartley
 Riblet, M. V. ph 343 E. 68
 Rice, B. A. 3 t
 1230 Amsterdam ave.
 Rice, F. W. 4 m 335 W. 57
 Rice, M. 1 c 973 Second ave.
 Rice, M. V. ph 85 and Second
 ave., Bklyn.
 Rich, M. E. W. 4 b 23 E. Second,
 Mount Vernon, N. Y.
 Rich, N. E. 1 b 23 E. Second,
 Mount Vernon, N. Y.

Rich, S. J. 1 b 222 W. 130
 Richards, E. S., Jr. fa
 48 Murray, Newark, N. J.
 Richards, H. A. c Hartley
 Richardson, A. 1 b 1105 Jennings
 Richardson, B. pl 86 So. Oxford,
 Bklyn.
 Richardson, C. H., Jr. 1 m
 66 W. 93
 Richmond, L. 2 t
 1230 Amsterdam ave.
 Richter, R. M. 4 c 843 E. 164
 Richter, S. L. 3 c 68 E. 79
 Richter, T. B. 3 l 68 E. 79
 Ridder, J. E. 1 s 447 E. 84
 Riddle, G. W. s 627 W. 115
 Riegel, H. 2 c 648 E. 11
 Riggs, L., Jr. 3 l 46 E. 29
 Riley, N. S. 2 l Yale Club
 Rilke, O. E. 1 b 670 E. 142
 Rinderman, H. fa
 948 Second ave.
 Rindge, F. H., Jr. 2 c
 78 Manhattan ave.
 Riordon, A. 1 b 110 E. 82
 Rising, H. R. 2 l 37 S. Tenth,
 Newark, N. J.
 Ritter, A. E. B. (Mrs.) ph
 466 E. 25, Bklyn.
 Robbins, L. N. (Mrs.) 3 t
 471 Manhattan ave.
 Robbins, R. H. 2 l 180 W. 59
 Robert, C. S. 2 s 417 W. 118
 Roberts, J. E. ph Drew Theol.
 Sem., Madison, N. J.
 Roberts, J. T., Jr. 3 s 409 W. 117
 Roberts, P. L. 2 s 38 S. Parsons
 ave., Flushing, L. I.
 Roberts, R. J. 3 l 78 W. 105
 Roberts, W. H. 2 m 350 W. 55
 Robie, M. 2 c 511 W. 122
 Robinson, B. fa Andrews ave.,
 University Heights
 Robinson, B. W. ph
 Union Theol. Sem.
 Robinson, C. B. p N. Y. Bot.
 Garden, Bronx pk.
 Robinson, E. D. 2 b 2214 An-
 drews ave., University Heights
 Robinson, E. M. 4 t
 454 Manhattan ave.
 Robinson, G. D. ph Roseland, N. J.
 Robinson, J. L. 3 l Livingston
 Robinson, K. D. 2 s Livingston
 Robinson, T. A. 1 s Livingston
 Rockey, P. 2 m 118 W. 64
 Rockmore, A. 2 l 241 Bristol,
 Bklyn.

- Rockwood, J. P. 2 s
 Roden, B. F., Jr. 3 s Livingston
 Rodman, B. B. p
 846 Boulevard, Astoria, N. Y.
 Rodman, H. pl 846 Boulevard,
 Astoria, L. I.
 Roe, O. L. 2 b 122 W. 136
 Roelkey, D. E. p 475 Bergen,
 Bklyn.
 Rogalin, M. E. 3 t 17 W. 112
 Rogers, C. A. 3 t 88 Butler,
 Bklyn.
 Rogers, G. S. 1 c 516 W. 142
 Rogers, M. A. ph
 1230 Amsterdam ave.
 Rogers, R. E. 1 l 1 W. 127
 Rohr, M. D. 4 b Ave. B, 15,
 Westchester, N. Y.
 Rolker, C. M., Jr. 2 s
 127 Riverside Dr.
 Romagna, A. J. 2 c 326 W. 113
 Rome, J. P. 1 c
 458 Manhattan ave.
 Rome, S. 1 b 334 Schermerhorn,
 Bklyn.
 Roome, C. T. 2 m 31 W. 61
 Roome, W. H. ph
 71 Central Park West
 Roop, M. J. gr t Ridgfield, N. J.
 Roosevelt, F. D. 2 l
 200 Madison ave.
 Root, W. D. gr t 520 W. 123
 Rosanoff, L. 2 b
 1804 Madison ave.
 Roscher, J. F. L. ph
 2415 Newkirk ave., Bklyn.
 Rose, J. I. t 347 W. 57
 Rose, W. J. 2 c 105 E. 71
 Rosemon, E. M. 3 b
 1230 Amsterdam ave.
 Rosenbaum, E. J. 2 c 30 W. 96
 Rosenberg, L. E. 3 b 14 W. 88
 Rosenblatt, B. A. 3 c
 1723 Madison ave.
 Rosenblatt, M. ph 87 E. Third
 Rosenbloom, J. 1 m Hartley
 Rosenfelder, F. 1 b 68 W. 131
 Rosenheim, G. B. 2 l Livingston
 Rosensohn, M. 1 m 246 Henry
 Rosenson, H. J. 2 l 63 Morton,
 Bklyn.
 Rosenthal, J. 4 m 145 Second ave.
 Rosenthal, L. A. 4 c
 1111 Madison ave.
 Ross, C. A. 4 m 339 W. 55
 Ross, O. C. ph 500 W. 123
 Ross, J. G. ph 950 E. 166
 Ross, T. W. m 419 W. 117
 Rossano, A. T. 4 m 451 E. 114
 Rossberg, F. H. 1 s 306 W. 109
 Roth, A. E. 2 b
 1230 Amsterdam ave.
 Rothberg, J. B. 2 s 770 Grand,
 Bklyn.
 Rothenberg, A. 2 b
 1230 Amsterdam ave.
 Rothschild, L. O. 1 c 251 W. 138
 Rothschild, M. 1 s 993 E. 163
 Rothschild, M. A. 2 c 326 W. 113
 Rothschild, W. L. 3 s
 440 West End ave.
 Rouse, E. C. 2 c 418 William,
 East Orange, N. J.
 Rouse, M. 3 t 524 W. 123
 Roux, W. C. 1 c 33 First ave.
 Rovere, L. 1 s 28 W. 128
 Roy, E. C. 1 l
 Roy, M. M. 1 c
 Irvington-on-Hudson, N. Y.
 Royce, S. G. ph 24 W. 123
 Ruediger, W. C. gr t 524 W. 123
 Ruhl, H. L. 3 m 842 E. 164
 Runyon, C., Jr. 1 l 87 Locust
 Hill ave., Yonkers, N. Y.
 Runzler, W. T. ph 415 W. 115
 Rupp, F. L. 2 s 359 W. 34
 Rusk, E. 3 b 636 Columbus ave.
 Russak, L. B. 4 t 470 W. 143
 Russell, G. E. 2 t 500 W. 121
 Russell, I. K. 4 b 119 Pacific
 Bklyn.
 Russell, M. 3 t
 1230 Amsterdam ave.
 Russell, O. 2 t 995 Union ave.
 Rutledge, W. C. 2 m 161 W. 64
 Ryan, J. J. 1 s 466 Lenox ave.
 Ryttenberg, C. 4 m 134 W. 64
 Sachs, L. N. f a Hartley
 Sacon, Y. S. ph
 1296 Webster ave.
 Safier, I. f a 49 W. 117
 Sage, W. M. 2 s 627 W. 115
 St. John, F. B. 1 m
 Hackensack, N. J.
 Sakakibara, W. ph
 Gen. Theol. Sem.
 Sales, G. G. 2 c 266 W. 121
 Salik, A. 4 b 76 Ave. C
 Salingré, E. 3 t 34 W. 92
 Salisbury, N. 1 c 30 W. 96
 Salzano, F. 1 c 159 Hudson
 Sammet, F. 2 b 158 W. 120
 Sammis, J. F., 4 m 511 W. 111
 Sammis, M. F. t 119 Macon,
 Bklyn.

Sample, F. 4 c 229 W. 122
 Samuels, A. B. 2 c 57 E. 105
 San, L. J. 1 c 69 Sherman,
 Passaic, N. J.
 Sanders, B. 1 c 62 W. 83
 Sandler, W. 1 s 84 Rivington
 Sapir, E. ph 9 St. Nicholas ave.
 Saqui, E. E. 3 s 2026 Seventh ave.
 Sargent, A. C. 3 t
 Satow, W. 210 Fifth ave.
 Saunders, C. ph 417 W. 120
 Savage, C. W. 4 t 60 St. Nicholas ave.
 Savitz, L. B. 2 b Westfield, N. J.
 Saxe, B. D. ph 17 Lexington ave.
 Sayle, H. R. 1 m 138 Manhattan ave.
 Sayre, M. F. 3 s 420 W. 118
 Scales, E. R. 1 b 49 Romaine
 ave., Jersey City, N. J.
 Schachtel, E. 3 b 143 W. 16
 Schaefer, L. 3 s 605 W. 113
 Schaeffer, S. 2 m 109 E. 88
 Schaie, M. 1 m 125 W. 115
 Schapiro, J. S. pl 300 Madison
 Schaul, J. 1 c 35 W. 126
 Schellitzer, M. ph 230 E. 58
 Schermerhorn, A. C. 1 c 25 E. 79
 Schermerhorn, J. E., Jr. 3 c 25 E. 79
 Scheuer, H. G. 1 b 1230 Amsterdam ave.
 Schiffman, S. 4 c 90 Sheriff
 Schiller, A. N. 3 m 151 Park Row
 Schlachter, C. E. 2 s 541 Manhattan ave.
 Schlageter, F. 4 b 9 Pennington,
 Paterson, N. J.
 Schlesinger, M. D. 1 b 98 Ash-
 burton ave., Yonkers, N. Y.
 Schley, R. 3 l 17 W. 52
 Schlossberg, S. ph 313 E. 74
 Schloss, N. P. S. 2 l 100 St. Nicholas ave.
 Schlossberg, J. pl 834 Union ave.
 Schmid, A. N. 1 c Hotel San Remo
 Schmidt, C. H. 4 b 31 N. Bleeker,
 Mt. Vernon, N. Y.
 Schmidt, E. G. fa 353 Halsey,
 Bklyn.
 Schmidt, J. W. fa 537 E. 155
 Schmidt, W. F. 3 t 585 Summit
 ave., W. Hoboken, N. J.
 Schneider, G. B. fa 112 Riverside Dr.

Schneider, J. 3 c 15 Hillside pl.,
 Newark, N. J.
 Schodts, L. M. ph 133 E. 73
 Schoefer, L. J. fa 991 E. 163
 Schomberg, P. c 475 Manhattan ave.
 Schonberg, M. 2 c 150 Spring
 Schoonmaker, H. S. 1 l 201 W. 127
 Schoonmaker, R. B. 2 s 415 W. 117
 Schott, M. 3 t 100 W. 115
 Schottenfels, I. M. p 500 W. 120
 Schottland, M. 1 c 30 W. 112
 Schottland, J. ph 30 W. 112
 Schramm, E. B. 3 b 527 W. 124
 Schreiber, W. 3 c 140 Lewis
 Schrenk, T. von, 1 s 140 East End ave.
 Schroeder, R. 3 l Livingston
 Schuldenfrei, H. c Atlantic City, N. J.
 Schuldenfrei, L. 1 s 185 Lenox ave.
 Schuler, J. ph 45 S. Sixth ave.,
 Mt. Vernon, N. Y.
 Schulman, R. 4 m 237 Rutledge,
 Bklyn.
 Schultz, H. S. 1 c 364 Clinton,
 Bklyn.
 Schultz, R. S., Jr. 4 s 306 W. 109
 Schulze, H. H. L. ph 55 Cornell
 ave., Yonkers, N. Y.
 Schumer, H. 4 m 21 E. 99
 Schüssler, A. 4 t 558 W. 182
 Schuyler, E. p 156 Halsey,
 Bklyn.
 Schwaneflugel, C. A. 2 s 808 Tenth
 ave., Long Island City, N. Y.
 Schwartz, D. B. 4 m 571 Carlton ave., Bklyn.
 Schwartz, F. 2 l 163 Ludlow
 Schwartz, L. H. 3 m 1123 Park ave.
 Schwartz, P. 4 m 316 E. Eighth
 Schwarz, J. O. 1 s Hotel Ashton,
 93 and Madison ave.
 Schwarz, R. 1 s 312 W. 99
 Schwarz, W. M. 3 c 312 W. 99
 Schwarzkopf, W. 4 s 68 E. 120
 Schwed, H. 2 l Livingston
 Schwegler, F. H. 3 l 231 W. 137
 Schweizer, G. V. 3 t 333 E. 86
 Scott, A. E. ph Gen. Theol. Sem.
 Scott, E. 4 c 41 Elmhurst ave.,
 Elmhurst, L. I.
 Scott, I. gr t 417 W. 114
 Scott, M. G. ph 526 W. 114

- Scott, T. K. *1 s* 361 W. 121
 Scruton, W. A. *4 m* 46 Market
 Seabury, H. M. *f a* 457 W. 123
Seaman, E. C. p 135 St. James pl.
 Sears, H. C. *4 m* 318 W. 57
 Sec, F. F. *gr t* 416 W. 118
 See, E. T. *f a* 6 W. 22
 Seeley, J. E. *1 c*
 New Canaan, Conn.
 Seelig, A. E. *3 s* 22 W. 127
Seeligman, I. S. 4 b 231 W. 120
Seely, C. E. 2 b 530 W. 124
 Seglin, M. *1 c* 41 W. 24,
 Bayonne, N. J.
Seguine, E. C. 1 b Rosebank, S. I.
 Seidenberg, A. *1 s* 24 E. 99
 Seifert, H. F. *4 s* 255 Hancock
 ave., Jersey City, N. J.
 Seiichi, I. *pl* 330 E. 57
 Seil, H. A. *p* 326 W. 113
 Selig, S. *4 c*
 54 Morningside ave.
 Seligmann, A. W. *2 c* 123 W. 77
 Sellew, W. H. *1 c* 61 E. 79
 Selvage, C. E. *4 m* 159 W. 64
 Selvage, W. B. *ph* Hartley
 Seme, P. I. *4 c* 83 W. 134
Seniza, F. C. p 136 Boulevard,
 Hoboken, N. J.
 Serhey, B. *2 s*
 Pocantico Hills, N. Y.
 Sessions, B. H. *3 t* Victoria,
 138 and Lenox
 Severson, I. W. *4 m* 314 W. 56
 Sewall, F. H. *4 s* 37 W. 22
Seward, F. A. 3 t
 849 St. Nicholas ave.
 Seymour, A. D., Jr. *f a*
 1185 Dean, Bklyn.
 Seymour, A. T. *p* 80 Day,
 Orange, N. J.
 Shaine, M. S. *4 m* 8 E. 131
 Shainwald, R. L., Jr. *p*
 667 Madison ave.
 Shakin, V. *1 s*
 1020 Stebbins ave.
 Shamel, C. H. *p* 430 W. 118
 Shanley, M. E. *4 b*
 1230 Amsterdam ave.
 Shapinsky, A. T. *2 c* 144 W. 111
 Shapiro, D. I. *2 l* 16 W. 115
 Shapiro, L. M. *1 l* 16 W. 115
 Shapiro, R. *3 c* 326 W. 113
 Sharlett, M. *gr t* 13 E. 112
Shaw, E. 1 b 230 So. Tenih ave.,
 Mt. Vernon, N. Y.
 Shaw, F. *ph* 4 E. 119
 Shaw, F. M. *4 t* 37 E. 71
 Shaw, F. W. *1 l* 409 W. 117
 Shea, W. A. *4 m* 144 W. 64
 Shearman, W. H. *2 s*
 771 Madison ave.
 Sheib, L. W. (Mrs.) *4 t*
 414 W. 118
 Shelander, A. R. *ph* 158 W. 96
 Shelton, C. B. *2 l* Hartley
 Shepard, C. N. *ph*
 Gen. Theol. Sem.
 Shepard, M. J.
 Shepherd, R. L. *pl* 408 W. 124
Sherman, L. F. ph Peekskill, N. Y.
 Sherman, R. E. *pl* 3-5 E. 116
 Sherwood, E. H. *1 c*
 Port Chester, N. Y.
 Sherwood, W. D. *4 m*
 2973 Decatur ave.
 Shientag, B. L. *2 l* 5 W. 117
 Shill, E. S. *2 c* 2 W. 117
 Shimmmon, A. S. *2 c* Hartley
 Shinn, N. I. *4 b*
 Pelham Manor, N. Y.
 Shipp, E. M. *3 s* 531 W. 113
 Shlivek, M. *1 l* 126 E. 83
 Shoninger, H. *3 b* 27 W. 89
 Shoninger, Y. S. *4 t*
 1230 Amsterdam ave.
 Shorey, C. E. *2 l* Hartley
 Short, H. B., Jr. *3 l* 2881 Bway.
 Shuford, M. *l* 937 Garden,
 Hoboken, N. J.
 Shumway, R. W. *s* Hartley
 Sibbel, A. J. *2 m*
 1749 Topping ave.
 Sibley, E. *f a* Grantwood, N. J.
 Siceloff, L. P. *p* 500 W. 123
 Sichel, W. *4 c* 122 W. 121
 Sicher, D. F. *ph* 533 W. 149
 Siegel, A. B. *1 l* 24 W. 94
Sigafus, A. E. 1 t Glen Ridge, N. J.
 Sigerson, E. B. *3 s* 118 W. 129
 Sigmund, B. J. *4 s* 168 Second
Silbernagel, L. 1 b 60 W. 96
 Silberstein, N. *gr t* 107 E. 109
Sillcox, C. M. 2 b 40 W. 128
 Silleck, W. M. *2 m* 19 W. 122
 Silliman, F. E. *3 t*
 246 Lenox ave.
 Silverman, S. T. *4 m*
 289 E. Third
 Simmons, M. M. *4 t*
 194 Joralemon
Simmons, M. P. 3 t 40 Park ave.,
 Yonkers, N. Y.
 Simon, E. J. *1 s* Hotel Marsailles,
 103 and Broadway
 Simons, I. *2 m*

Simons, L. G. 4 t 180 W. 88
Simons, M. L. 4 b 231 William,
 Port Chester, N. Y.
Simpson, A. B. 1 t 741 E. 175
Simpson, K. M. 4 s Livingston
Simpson, W. J. P. 2 s 544 W. 113
Sincheimer, E. 3 t 48 W. 95
Sinclair, H. M. pl Livingston
Sinclair, J. E. 4 s 62 Taylor,
 Newark, N. J.
Sinclair, J. S. f a 564 Hancock,
 Bklyn.
Sindeband, M. L. 3 s 339 E. 79
Singer, D. A. 4 m 53 W. 112
Singer, W. B. 2 s 216 E. 45
Sirovich, W. I. 4 m 372 E. Fourth
Sisk, B. F. ph 530 W. 123
Sitterly, E. F. ph Madison, N. J.
Skillman, V. 2 s 195 N. 18,
 East Orange, N. J.
Skinner, A. M. ph 509 W. 124
Skinner, H. C. 1 c 2766 Briggs ave.
Skinner, J. L. 2 t 905 Watchung
 ave., Plainfield, N. J.
Skutch, I. 2 c 423 Pulaski,
 Bklyn.
Slade, H. E. 1 s 1284 Amsterdam ave.
Slaughter, W. H. 3 m 373 State,
 Bklyn.
Slaymaker, R. J. 4 t Westfield, N. J.
Sloane, C. O'C. 4 c 55 Mon-
 trose ave., So. Orange, N. J.
Sloane, F. J. 2 m 105 E. 69
Sloane, J. E. 2 c 55 Montrose
 ave., So. Orange, N. J.
Sloane, M. W. f a 247 Broad,
 Newark, N. J.
Slocum, A. L. 4 m 74 W. 82
Small, G. S., 3d 2 s 64 Montague, Bklyn.
Small, N. G. 3 t 1230 Amsterdam ave.
Smead, H. B. 1 s 306 W. 109
Smith, A. G. gr t 291 Van Buren,
 Bklyn.
Smith, A. H. ph 579 W. 161
Smith, A. L. t 1230 Amsterdam ave.
Smith, B. H. 3 t 12 Overlook Terrace,
 Yonkers, N. Y.
Smith, C. A. 3 l 213 W. 122
Smith, C. E. 3 b 10 Riker ave.,
 Woodside, N. Y.

Smith, C. S. ph 429 W. 117
Smith, D. F. 1 b 1230 Amsterdam ave.
Smith, E. 1 b Mt. Vernon, N. Y.
Smith, E. F. m 324 W. 46
Smith, F. A. pl 1230 Amsterdam
 ave.
Smith, F. C. 1 m 102 Monroe,
 Bklyn.
Smith, H. 4 t 214 Woodworth
 ave., Yonkers, N. Y.
Smith, H. H. pl Hartley
Smith, H. R. 3 s 122 Park pl.,
 Bklyn.
Smith, J. ph
Smith, J. P. b 105 E. 38
Smith, K. A. 3 b 1230 Amsterdam ave.
Smith, L. 1 l 510 W. 124
Smith, L. 4 t 1230 Amsterdam ave.
Smith, L. E. ph 20 Irving pl.
Smith, M. C., Jr. 2 s 157 W. 119
Smith, M. K. 1 m Murray Hill Hotel
Smith, M. K. ph 46 Hardenbrook
 ave., Jamaica, L. I.
Smith, O. H. 2 c 638 West End ave.
Smith, S. L. 4 m 30 W. 44
Smith, W. H. 1 l Lowell Hall,
 Amsterdam and 121
Smith, W. H., Jr. 2 c 306 W. 109
Smith, W. M. 3 m 118 W. 64
Smith, W. P. 4 t 220 W. 123
Smithers, A. E. 1 b 425 W. 144
Smithers, F. 1 c 425 W. 144
Smithers, H. G. 1 b 425 W. 144
Smolen, A. L. 4 m 831 E. 146
Smyth, L. J. 3 t 1230 Amsterdam ave.
Smythe, R. H. 1 c 123 Amity,
 Bklyn.
Snedden, D. S. gr t
Snevily, H. M. 2 c 81 Macon,
 Bklyn.
Snider, G. E. pl 504 W. 111
Snook, C. P. 2 s 415 W. 127
Snow, E. M. 4 t 1230 Amsterdam ave.
Snowden, A. A. gr t The Bryn
 Mawr, 122 and Amsterdam
 ave.
Snowden, A. E. ph 420 W. 121
Snyder, B. L. 3 t 143 W. 140
Snyder, H. H. 1 s Hartley
Snyder, T. E. 3 c Hartley
Sobel, S. P. 4 m 229 E. 126

- Solomon, J. 2 l 153 E. Bway.
 Solomon, M. 3 c 24 E. 113
 Solomon, W. L. 4 c 522 W. 150
 Solotaroff, D. H. 3 l 41 W. 117
 Solow, D. E. 4 s 1110 Jackson ave.
 Somborn, E. 4 b 348 Central Park West
 Soper, A. E. 4 m 137 W. 63
 Soper, W. B. 2 m 527 Madison ave.
 Spafard, M. B. 4 t 142 E. 18
 Spalding, L. H. 1 s 18 Woodland
 ave., New Rochelle, N. Y.
 Spelman, H. T. 3 m 196 Eighth ave., Bklyn.
 Spence, K. M. c 320 W. 75
 Spencer, C. B. 3 c 1124 Tinton ave.
 Spencer, J. B. 4 s 929 West End ave.
 Spickers, W. Jr. 144 W. 64
 Spiegelberg, S. L. 4 m Hotel
 Ansonia, 73 and Bway.
 Spitz, E. F. 4 c 265 Kosciusko,
 Bklyn.
 Spitzer, B. 2 s 411 E. 88
 Sprague, F. K. 1 s Hotel San Remo
 Springer, A. 4 t 1230 Amsterdam ave.
 Springs, A. A., Jr. 3 l 419 W. 118
 Staber, H. L. ph 360 Clinton st.,
 Bklyn.
 Staber, M. J. p 360 Clinton,
 Bklyn.
 Stackpole, C. E. 4 t 605 W. 115
 Stagg, H. J., Jr. 1 s 428 Central Park West
 Stahl, G. F. gr t 2804 Pond pl.
 Stair, B. W. ph 508 W. 112 st.
 Stanton, P. D. b 30 W. 49
 Stapp, F. M. 4 b 420 W. 121
 Starbuck, W. L. 2 s 614 W. 113
 Stark, M. B. 1 b The Madison
 ave. Hotel, 92 and Madison ave.
 Stark, S. 3 l 244 Bowery
 Staub, A. 2 s 228 Stockton,
 Bklyn.
 Staub, A. W. pl Union Theol. Sem.
 Stearn, M. F. 2 b 410 W. 115
 Stearns, S. B. ph 1230 Amsterdam ave.
 Steere, A. 4 m 333 W. 55
 Stein, G. R. 2 b 292 Manhattan ave.
 Stein, S. H. 1 m 139 W. 120
 Steinberg, P. 2 b 541 Monroe
 ave., Elizabeth, N. J.
 Steiner, J. 1 c 40 Clay,
 Newark, N. J.
 Steiner, S. H. 4 c 101 E. 183
 Steinfeld, A. 3 c 22 E. 93
 Steinhardt, I. D. 4 m 102 W. 85
 Steinmetz, F. C. 1 c 352 W. 19
 Stella, G. 4 m 214 E. 16
 Stepanek, B. ph 111 So. Ninth
 ave., Mt. Vernon, N. Y.
 Stephens, J. W. 3 W. 104
 Stephens, R. 2 s 146 and Gerard ave.
 Stern, H. R. 3 l 986 Fifth ave.
 Stetson, A. D. t 166 Witson,
 Bklyn.
 Stevens, O. E. 4 s 12 W. 8
 Stevens, R. 2 t 1230 Amsterdam ave.
 Stevens, W. M. 2 l Greenwich, Conn.
 Steward, C. W. 1 c 259 W. 11
 Stewart, C. A. 4 c 123 W. 11
 Stewart, E. E. 4 m 500 W. 123
 Stewart, M. G. p 144 W. 65
 Stewart, S. 4 m 604 Bway.,
 Astoria, L. I.
 Stillman, A., 2d 3 m 35 E. 39
 Stillman, R. G. 3 m 363 W. 57
 Stimson, L. H. gr t 159 W. 86
 Stinson, J. W. 4 s 301 W. 91
 Stitt, E. W. 4 b 156 W. 93
 Stix, L. C. 2 s 496 West End ave.
 Stock, J. W. 2 c 2710 Decatur
 ave.
 Stockard, C. R. p 519 W. 123
 Stockly, H. A. 2 s Hartley
 Stockton, B. I. J. (Mrs.) 3 t 440 W. 124
 Stockton, E. M. (Mrs.) 4 t 1288 Amsterdam ave.
 Stockton, G. C. 4 c 440 W. 124
 Stockton, J. L. 4 c 1288 Amsterdam ave.
 Stoiber, H. A. c Livingston
 Stone, I. p Vassar College,
 Poughkeepsie, N. Y.
 Stone, M. H. p 254 W. 93
 Stork, E. J. f a 212 Hancock
 ave., Jersey City, N. J.
 Stork, V. E. 1 m Hartley
 Stotlar, A. 4 t Hartley
 Stowe, A. R. M. gr t 527 W. 123
 Stowell, H. W. 3 l Hartley
 Stowell, R. K. 3 t The Ansonia,
 73 and Bway.
 Straight, G. C. pl 6 E. 126

Strain, W. P. 4 m 14 W. 127
 Strasburger, A. 1 c 66 E. 66
 Stratmann, C. F. 4 m 453 E. 25,
 Bklyn.
Strauss, M. J. 2 b 70 W. 69
 Strecker, C. L. pl Madison, N. J.
 Streeter, D. D., Jr. 1 s Livingston
 Streeter, P. C. 3 c 256 W. 97
 Strickland, A. F. 3 t 207 W. 107
 Strobridge, G. 4 s 141 W. Fourth
 Strong, A. McL. 2 m 250 W. 82
 Strong, H. L. 3 t 430 W. 118
 Strong, S. P. 3 t
 1230 Amsterdam ave.
 Struthers, H. H. 1 s 1 W. 132
 Stryker, A. B. 4 t 9 Lake,
 White Plains, N. Y.
 Studdiford, J. G. 3 t 565 W. 148
 Study, G. W. 1 l 222 Bowery
 Sturman, E. A. 2 s 536 E. 13
 Stur, A. A. fa 57 Cornell ave.,
 Lowerre, Yonkers, N. Y.
 Sturges, H. P. 4 c
 116 and Riverside Dr.
 Sturtevant, M. G. 2 m 123 W. 61
 Suarez, E. R. 1 s 44 Water,
 c/o R. Rodriguez
 Sugarman, A. M. gr t 237 W. 137
 Sulliger, R. A. 1 s
 Sullivan, A. G. 1 m 328 W. 56
 Sullivan, J. pl 668 E. 22
 Paterson, N. J.
 Sullivan, J. E. 3 t 540 W. 114
 Sullivan, M. D. 4 m 102 W. 64
 Sullivan, R. P. A. 3 m
 74 McDonough, Bklyn.
 Sumner, A. J. 4 m
 82 Debevoise, Bklyn.
 Sundheimer, A. I. 3 s 234 W. 137
 Sunne, D. G. ph 168 W. 120
 Sussman, M. H. 4 s 318 E. 121
 Sutherland, M. R. (Mrs.) 3 t
 295 Highland Boulevard, Bklyn.
 Sutro, H. A. 3 s 44 W. 76
 Sutter, M. V. 4 c 63 Neptune
 ave., New Rochelle, N. Y.
 Sutton, W. S. 3 m Hartley
 Suydam, A. G. 4 s
 902 West End ave.
 Swan, W. L., Jr. 1 s 461 W. 144
 Swann, A. W. 3 m 550 Park ave.
 Swarts, L. E. 3 l 369 W. 117
 Swartwout, E. W. 2 s
 Scarsdale, N. Y.
 Swartwout, F. R. 2 c
 Scarsdale, N. Y.
 Swartz, M. D. 4 t
 1230 Amsterdam ave.

Sweeney, J. C. 2 l Livingston
 Sweet, W. W. pl Madison, N. J.
 Sweezy, L. V. V. fa
 61 Convent ave.
 Swenson, H. E. 3 t 408 W. 124
 Swenson, J. A. p 274 Cumber-
 land, Bklyn.
 Swenson, J. R. gr t 522 W. 123
 Swenson, M. E. 1 b 27 Jagger
 ave., Flushing, L. I.
 Swords, A. T. 3 c
 1390 Prospect ave.
 Swortfiguer, H. B. 3 l
 261 Central Park West
 Syverson, T. S. 2 s 605 W. 113
 Tachna, M. 3 c 35 W. 111
 Taff, P. 1 c 251 East Bway.
 Taft, T. K. 2 s 605 W. 113
 Taintor, S. A. ph
 1230 Amsterdam ave.
 Tajima, S. ph Union Theol. Sem.
 Takata, S. pl 418 W. 118
 Talmage, S. A. 3 t 408 W. 124
 Talpey, E. M. 1 b 520 W. 123
 Tamagno, G. 4 t 3 W. 87
 Tannahill, S. B. 3 t
 Englewood, N. J.
 Tanz, I. 4 s 55 Pitt
 Tanzer, H. H. ph 204 W. 92
 Taranosuke, F. 1 s Livingston
 Tarbell, F. W. 2 m 123 W. 61
 Tasch, J. 4 t 619 W. 179
 Tatlock, J. M. pl
 1231 Madison ave.
 Tattershall, L. M. 2 b
 1230 Amsterdam ave.
 Taylor, A. R. 4 t Hartley
 Taylor, C. G. 3 m 430 W. 118
 Taylor, E. L. 3 t
 1230 Amsterdam ave.
 Taylor, F. R. 1 c 116 W. 129
 Taylor, H. B. 4 s
 902 West End ave.
 Taylor, H. W. 1 c 156 E. 38
 Taylor, J. A. 2 l 523 W. 123
 Taylor, J. H. 3 c 67 W. 106
 Taylor, J. W. ph 523 W. 123
 Taylor, R. M. 3 s 122 W. 133
 Taylor, V. 4 b
 1230 Amsterdam ave.
 Teeter, C. H. p 18th ave. and
 E. Third, Bklyn.
 Te Gussinklo, W. 4 m
 81 Fourth ave.
 Temple, H. K. fa 409 W. 117
 Ten Brook, G. J. 2 m 402 W. 58
 Tenney, J. B. 3 s 605 W. 113

- Terriberly, W. K. 3 m 251 W. 55
 Terry, B. T. p Hartley
 Thayer, W. M. 3 t 212 W. 108
 Theil, S. S. 3 l 660 E. 141
 Thoman, W. F. 4 s 312 W. 87
 Thomas, C. S., Jr. 4 s Livingston
 Thomas, H. A. 4 c Hartley
 Thomas, I. C. 3 t
 1230 Amsterdam ave.
 Thomas, P. C. (Mrs.) 3 t
 243 W. 99
 Thompson, E. C. 1 c 304 State,
 Bklyn.
 Thompson, H. F. 1 t 89 North
 Broadway, Yonkers, N. Y.
 Thompson, L. I. 1 b 237 W. 126
 Thompson, M. p 166 W. 97
 Thompson, M. M. 1 s 166 W. 97
 Thomson, A. S. gr t
 Thomson, E. S. b
 1230 Amsterdam ave.
 Thorn, A. V. 4 t The Gardner,
 128 W. 43
 Thunig, L. A. 4 m 429 Madison,
 Bklyn.
 Thurlow, J. N. 4 c Hartley
 Thurston, E. D., Jr. 3 s 113 E. 29
 Tibbitts, M. E. 3 b 213 Temple,
 Astoria, L. I.
 Tiffany, J. de F. 1 b 27 E. 72
 Tiffany, L. C. 1 b 27 E. 72
 Tift, K. L. f a 286 W. 70
 Tillotson, G. K. 1 s 417 W. 118
 Tillson, B. 3 s Livingston
 Tintner, B. A. ph 531 W. 123
 Titsworth, S. R. 4 m 35 W. 65
 Todd, J. R. pl. Hartley
 Toll, R. W. 4 s 627 W. 115
 Tompkins, E. A. 1 b 163 Bellevue
 ave., Upper Montclair, N. J.
 Tompkins, G. B. 2 m 328 W. 56
 Toms, E. I. 4 b 44 W. 128
 Tonnel, J. L., Jr. 2 s 48 E. 68
 Torborg, G. R. 2 s 589 W. 145
 Torking, W. W. 1 s 605 W. 113
 Tortora, A. 1 c 315 E. 53
 Touart, M. De M. 2 m 328 W. 56
 Tower, A. L. Montclair, N. J.
 Towle, E. W. p
 Richmond Hill, L. I.
 Townsend, E. B. 2 c 414 W. 124
 Tozer, A. M. ph 6 E. 126
 Tracy, H. A. 3 b
 1230 Amsterdam ave.
 Traitel, L. 2 b 58 W. 95
 Travis, A. C. 1 l The Nevada,
 Bway. and 70
 Treat, M. 4 t 511 W. 112
 Tredwell, E. A. S. 3 b 258 W. 52
 Trier, B. gr t 112 Valley rd.
 Montclair, N. J.
 Tripp, M. O. p Lincoln Pk.
 Yonkers
 Tripp, P. B. 4 c 249 W. 103
 Tripp, W. A. 1 c 103 Monroe,
 Bklyn.
 Trott, J. C. f a 668 Park pl.,
 Bklyn.
 Trotter, J. P. 3 m 189 Warbur-
 ton ave., Yonkers, N. Y.
 Troup, P. pl Yale Club, City
 Trowbridge, J. 4 t
 811 St. Nicholas ave.
 Troy, A. C. F. 3 l 90a Heyward,
 Bklyn.
 Truax, H. 3 l Long Branch, N. J.
 Trube, J. M. t Hastings, N. Y.
 True, D. 3 b 328 W. 83
 Truesdale, J. R. 2 l
 Greenwich, Conn.
 Truesdell, E. D. 4 m 343 W. 56
 Tryon, H. H. pl 41 E. 69
 Tuchmann, A. 2 c 152 E. 79
 Tucker, E. S. 4 t 418 W. 118
 Tucker, H. A. pl 457 W. 23
 Tucker, R. B. 2 s 413 W. 117
 Tufts, E. M. 3 t
 1230 Amsterdam ave.
 Tulloch, T. H. 3 s 411 W. 117
 Tupper, A. G. 1 s 79 Chestnut,
 East Orange, N. J.
 Turnbull, A. G. 2 b
 Tuckahoe, N. Y.
 Turnbull, G. C. 3 b 27 Burnett,
 East Orange, N. J.
 Turnbull, L. S. 1 b
 Tuckahoe, N. Y.
 Turner, E. A. gr t 371 W. 120
 Turner, H. E. 3 t 124 Centre ave.,
 New Rochelle, N. Y.
 Turner, P. A. 2 m 328 W. 56
 Tuthill, B. C. 1 c 176 W. 86
 Tuttle, H. B. p Livingston
 Tuttle, L. J. 4 t 524 W. 123
 Tweddell, F. 3 m 141 W. 64
 Tynen, J. L. ph Audubon Pk., W.
 155
 Tyng, E. McJ. ph 419 W. 118
 Ulanov, N. f a
 Ulmann, A., Jr. 3 s 117 W. 71
 Ulmann, E. A. 1 s 117 W. 71
 Unger, H. H. 4 m 66 Ave. C
 Unger, W. F. 3 l
 1340 Madison ave.
 Untermeyer, I. 2 s 675 Fifth ave.

Updegraff, H. gr t 523 W. 123
 Updike, E. H. 3 l 229 Bway.
 Upham, A. H. ph 507 W. 112
 Utley, F. B. 3 m 328 W. 56
 Utter, G. L. gr t 1067 Prospect pl.,
 Bklyn.

Vaddington, E. van R. ph 114 E. 22
 Vail, C. E 4 m 343 W. 56.
 Vail, Le R. B. 2 m 185 Steuben.
 Bklyn.

Valentine, F. E. 790 Greene ave.,
 Bklyn

Valentine, L. 3 t 94 Lawrence
 Valentine, M. 3 b 21 W. 121

Van Alstyne, E. V. N. b
 203 Bay 31, Bensonhurst, N. Y.

Van Brunt, E. W. 1 s 520 W. 123
 Vance, R. A. pl 119 W. 64

Van Cleef, F. C. 2 l Hartley
 Van Cott, H. H. 4 t Livingston

Van Cott, L. M. 4 t 525 W. 123
 Van Denburg, J. K. ph 507 W. 124

Vanderbilt, S. B. 1 t 218 W. 104
 Vanderburgh, F. A. ph

53 Washington sq.
 Vanderhoof, M. W. 3 t 463 W. 143

Van Gorden, J. 3 t
 1230 Amsterdam ave.

Van Kleeck, M. A. pl. Chelsea
 Court, 21 and Chelsea sq., E.

Van Nostrand, N. W. 2 l 139 W. 85
 Van Rensselaer, B. S. 1 c 40 W. 97

Van Reyphen, W. K., Jr. 1 l
 12 W. 44

Van Schott, G. J. 4 m
 125 Lex. ave., Passaic, N. J.

van Siclen, M. 2 s Livingston
 Van Suetendael, A. O. fa

1135 Bway.
 Van Tine, A. A. 2 c 127 W. 11

Van Vechten, F. R. fa
 Van Wagenen, F. gr t 29 Bay

View ave., So Norwalk, Conn.
 Vaughan, J. C. 3 m 295 Verona

ave., Newark, N. J.
 Vaughn, S. J. gr t 511 W. 122

Vedder, F. H. 1 l Livingston
 Vehslage, H. E. 3 c 117 W. 43

Veith, H. I. 2 b
 1081 Washington ave.

Velasquez, E. 1 s
 Larchmont, N. Y.

Verhoeff, M. pl 4 W. 92
 Vermilye, R. M. 4 m

34 Gramercy Park
 VerPlanck, G. A. 1 b

White Plains, N. Y.

VerPlanck, J. C. pl 420 W. 118
 Very, E. 4 t 1230 Amsterdam ave.

Vidal, J. E. 1 m 68 Beach,
 Stapleton, S. I.

Vigouroux, G. G. fa 50 W. 84
 Vina, T. A. 1 m 60 W. 66

Vincent, G. 4 t 10 Gates ave.,
 Monicclair, N. J.

Vogel, H. 1 c 51 E. 129
 Volz, H. C. fa

vom Baur, E. E. 1 b 18 W. 130
 vom Saal, F. M. von H. 4 t

544 W. 113
 von Bernuth, R. L. 3 l 130 W. 64

von Saliza, E. C. 4 t 204 W. 55
 von Saltza, P. 1 s 204 W. 55

von Unwerth, F. ph 419 W. 118
 Voorhees, F. A. pl Woody Crest

ave., High Bridge
 Voorhees, H. C. 4 m 147 W. 63

Voris, J. R. pl 215 W. 23
 Voxman, W. 4 t 125 Forsyth

Vreeland, R. D. 4 m 342 W. 58
 Vulté, G. P. 1 s 33 Park ave.,

New Rochelle, N. Y.

Wadden, M. ph
 1230 Amsterdam ave.

Wade, S. F. 1 m 950 Union ave.
 Wadeldon, T. D., Jr. fa

Bronxville, N. Y.
 Wahlig, R. C. 1 s Crotona pk. E.,

near Suburban pl.
 Waite, C. A. 4 t

1230 Amsterdam ave.
 Waite, M. E. ph 80 Willoughby,

Bklyn.
 Walbridge, D. H. 3 c 355 W. 20

Waldman, L. 2 t 318 E. 3
 Waldman, M. D. pl

174 Second ave.
 Waldron, J. L. 3 s 652A Lafay-

ette ave., Bklyn.
 Waldstein, A. S. ph

311 E. Fifth
 Walker, A. J. ph 845 E. 170

Walker, E. 3 t
 1161 Amsterdam ave. and 117

Walker, J. B. ph
 1230 Amsterdam ave.

Walker, M. A. (Mrs.) gr t
 457 W. 123

Walker, M. B. 3 b 457 W. 123
 Wall, J. P. 3 m 129 W. 61

Wallace, J. T. fa Hartley
 Wallace, L. E. fa 54 W. 120

Wallach, A. pl 10 E. 80
 Wallach, K. R. 2 l 53 E. 80

- Wallach, R. T. *pl* 10 E. 80
 Wallenstein, C. A. 3 *m* 160 Harrison ave., Bklyn.
 Wallin, A. R. *ph* Box 149, Kenilworth, N. J.
 Walling, A. 4 *t* 35 Morningside ave.
 Walling, L. G. 4 *m* 339 W. 55
 Wallstein, L. M. 3 *l* 538 W. 114
 Walsh, C. J. 2 *c* 209 Prospect ave., Bklyn.
 Walter, M. V. 1 *t* 440 E. 57
 Walther, J. W. 3 *c* 431 Hopkins ave., Astoria, L. I.
 Walton, S. T. *ph* Bretton Hall, 86 and Bway.
 Walz, J. 3 *l* 311 W. 111
 Wand, M. P. 1 *t* Hastings-on-Hudson, N. Y.
 Wang, C. Y. *p* 418 W. 118
 Ward, E., Jr. 2 *s* 134 W. 70
 Ward, R. P. 3 *t* 1230 Amsterdam ave.
 Ward, W. T. 2 *m* 118 W. 64
 Wardell, L. M. 3 *b* 19 W. 84
 Wardell, W. S., Jr. 2 *c* 25 Waverley pl., Orange, N. J.
 Wardlaw, J. B. 3 *t* 526 W. 123
 Wardner, D. M. 1 *m* Pelham Manor, N. Y.
 Ware, F. 2 *c* 1285 Madison ave.
 Waring, A. J. 2 *m* 527 Madison ave.
 Waring, A. T. 4 *t* 430 W. 118
 Warth, A. H. 4 *s* 19 Smith Terrace, Richmond Boro.
 Watkins, E. D. 4 *m* 117 W. 81
 Watkins, S. S. 4 *s* Livingston
 Watson, E. V. 1 *s* 280 W. 86
 Watson, M. D. 1 *c* 159 9th ave.
 Waugh, L. 4 *t* 246 W. 106
 Wax, L. W. 3 *t* 306-8 Madison
 Waye, W., Jr. *c* 62 E. 125
 Weaver, P. 2 *c* 25 Jefferson ave., Bklyn.
 Webb, C. R. 3 *c* 48 Woodland ave., Glen Ridge, N. J.
 Webb, H. W. *p* 510 W. 124
 Webb, K. S. 4 *c* 248 W. 102
 Webster, M. L. 4 *t* 1230 Amsterdam ave.
 Webster, W. M. 4 *t* 308 Madison ave.
 Wechsler, L. A. 3 *c* 122 W. 85
 Weed, E. G. *ph* 110 Clinton ave., Bklyn.
 Weeks, E. T. 4 *t* 154 De Bevoise ave., Long Island City, N. Y.
 Weeks, F. L. 3 *t* 154 De Bevoise ave., Long Island City, N. Y.
 Weeks, M. F. *ph* 100 and Riverside Dr.
 Weil, H. L. 1 *c* 303 W. 100
 Weil, Jesse, 1 *l* 224 E. 60
 Weil, Julius, 3 *l* Hartley
 Weil, P. L. 3 *c* 57 W. 87
 Weingarten F. S. 3 *m* 678 E. 140
 Weinig, A. J. 2 *c* 717 Seventh ave.
 Weinstein, M. 2 *l* 23 Montgomery
 Weisman, C. *ph* 152 Atlantic ave., Bklyn.
 Weizenhoffer, A. 4 *m* 393 E. 8
 Welch, A. M. *ph* 30 W. 131
 Welch, E. W. 1 *s* 112 Prospect pl., Rutherford, N. J.
 Weller, Le R., gr *t* Livingston
 Welles, F. C. 4 *c* 658 West End ave.
 Wells, F. L. *ph* 567 W. 113
 Wells, G. 2 *b* 124 W. 77
 Wells, G. F. *pl* 94 Hamilton pl.
 Wells, H. E. 1 *b* Richmond Hill, L. I.
 Wells, H. J. gr *t* 361 Hillside ave., Jamaica, L. I.
 Wells, M. A. 4 *b* 508 Park ave. East Orange, N. J.
 Welzmler, L. B. 4 *t* 318 W. 57
 Werner, G. 2 *s* 465 W. 163
 Wertz, E. B. 4 *t* 1230 Amsterdam ave.
 Wessler, H. 2 *m* 315 E. 58
 West, C. L. 234 Broad, Newark, N. J.
 West, D. 1 *m* 345 W. 58
 West, H. J. 3 *s* 170 W. 85
 West, W. B. *pl* Brook Haven, L. I.
 Westaway, L. B. 1 *b* 803 Fifty-eighth, Bklyn.
 Westbrook, F. A. 2 *s* 37 Strong pl., Bklyn.
 Westcott, E. B. *b* 252 W. 26
 Weston, E. G. 1 *b* 228 W. 141
 Westover, R. R. 4 *m* 736 E. 23, Paterson, N. J.
 Whaley, E. S. 3 *t* 232 E. 124
 Wharton, W. P. *ph* 531 W. 124
 Wheeler, C. M. 3 *t* 1230 Amsterdam ave.
 Wheeler, D. I. 2 *c* 477 W. 144
 Wheeler, J. N. 2 *c* 149 Glenwood ave., Yonkers, N. Y.
 Whipple, A. O. 2 *m* 345 W. 58
 Whipple, D. 2 *s* 994 E. 163
 White, F. C. *pl* 1400 Clinton ave.
 White, G. LeR. *pl* Drew Theol. Sem., Madison, N. J.

- White, H. *pl* 73 W. 116
 White, J. L. *c* Hartley
 White, M. L. 2 *s* 539 W. 141
 White, Marilla L. 3 *t* 529 W. 123
 White, Maude Lucy, *ph*
 1230 Amsterdam ave.
 White, R. J. 1 *l* 29 W. 95
 White, R. L. 2 *s* 559 W. 141
 Whiteside, D. G. *ph* 430 W. 118
 Whitin, E. S. *t* Hartley
 Whitley, M. T. *gr t* 540 W. 124
 Whitman, W. G. *p* Hartley
 Whitney, D. D. *p* 211 W. 108
 Whitney, G. C. 2 *m* 135 W. 61
 Whitney, W. 2 *t* 371 W. 120
 Whittemore, G. M. 3 *t*
 1230 Amsterdam ave.
 Whittemore, L. B. 3 *t*
 8 Morningside Pk.
 Whitwell, C. B. *s* 608 W. 113
 Wiant, M. H. *ph*
 1230 Amsterdam ave.
 Wicke, C. 3 *c* 34 E. 68
 Wiechers, H. 4 *s* 501 W. 120
 Wiehle, A. L. V. 1 *s* 306 W. 109
 Wienbush, E. *t*
 1230 Amsterdam ave.
 Wieselthier, M. L. 1 *m*
 95 Forsyth
 Wiggin, J. D. 4 *s*
 Wightman, M. B. 2 *b*
 335 State, Bklyn.
 Wilbur, C. L. 4 *t*
 1230 Amsterdam ave.
 Wilcox, E. D. *pl* Ammackassin
 Terrace, Yonkers, N. Y.
 Wilcox, P. W. 2 *s* 41 W. 52
 Wilcox, S. H. 2 *s* 41 W. 52
 Wilcox, W. 3 *t* Yonkers, N. Y.
 Wilensky, A. O. 3 *m*
 56 St. Mark's pl.
 Wiley, B. 3 *t* Narragansett Hotel,
 93 and Bway.
 Wiley, J. McC. 1 *l* 519 W. 123
 Wilkerson, F. W. 1 *m* 356 W. 58
 Wilkes, E. M. 3 *b* 524 W. 123
 Wilkins, L. A. *ph*
 20 Morningside ave., E.
 Wilkinson, E. *gr t* 430 W. 118
 Willard, P. D. 3 *s* Livingston
 Williams, B. P. 4 *t* 209 W. 129
 Williams, C. B. 3 *t* 526 W. 123
 Williams, C. L. 4 *c* 429 W. 117
 Williams, E. 1 *l* Hartley
 Williams, H. I. 4 *b* 1264 Boston rd.
 Williams, J. 4 *t*
 1230 Amsterdam ave.
 Williams, J. A. *gr t* 457 W. 123
 Williams, M. E. *ph* 24 W. 61
 Williams, R. A. 2 *m* 118 W. 64
 Williams, R. G. 3 *s* 531 W. 113
 Williams, S. R. *p* 509 W. 124
 Williams, T. W. 1 *s* Livingston
 Williams, W. B. 3 *s* 262 Van
 Horne, Jersey City, N. J.
 Williamson, D. B. 2 *s* 450 W. 153
 Williamson, G. 2 *s*
 Dobbs Ferry, N. Y.
 Willis, B. 1 *c* Hartley
 Willis, J. 3 *s*
 W. N. Brighton, N. Y.
 Willis, R. H. 4 *s* 220 E. 48
 Willson, A. C. 3 *t*
 Wilson, E. H. *ph* 449 W. 123
 Wilson, H. D., Jr. *ph*
 175 Ninth ave.
 Wilson, J. E. 2 *s* 2040 Seventh ave.
 Wilson, J. H. *p* 561 N. Bway.,
 Yonkers, N. Y.
 Wilson, J. R. *t* 536 E. 27
 Paterson, N. J.
 Wilson, J. S. *ph* 449 W. 123
 Wilson, M. 2 *b* 107 Spruce,
 Newark, N. J.
 Wilson, P. C. *ph* 101 W. 85
 Wilson, W. 1 *s* 149 E. 52
 Wilson, W. A. 4 *t* 510 W. 124
 Wimbush, E. *t*
 1230 Amsterdam ave.
 Winchell, C. E. 2 *c*
 West Orange, N. J.
 Windels, P. W. H. 2 *c*
 162 Lee ave., Bklyn.
 Wing, L. A. *m*
 Winslow, W. S. 2 *s*
 787 Cauldwell ave.
 Wise, B. D. 2 *c* 154 W. 76
 Wise, L. E. 2 *c* 60 W. 85
 Wise, W. W. 3 *s*
 902 West End ave.
 Wittgenstein, V. H. *f a*
 206 W. 103
 Woarms, E. H. 2 *c* 314 W. 82
 Wohlfarth, A. *ph* 64 W. 128
 Wolf, F. 1 *b* 1333 Madison ave.
 Wolf, L. J. 3 *c* 7 W. 91
 Wolfe, V. L. 3 *t* 978 Second ave.
 Wolferz, L. E. 2 *c* 497 Hart,
 Bklyn.
 Wolff, F. M. 2 *b* 15 W. 89
 Wolff, J. L. 2 *l* 303 E. 55
 Wolff, L. J. 3 *c* 560 Greene ave.,
 Bklyn.
 Wolfsohn, E. J. 1 *c* 72 E. 82
 Womack, M. D. *p* 509 W. 112
 Wood, A. I. *ph* 420 W. 118

- Wood, E. C. *pl* 536 W. 114
 Wood, E. D. *ph* 58 W. 51
 Wood, F. A. *4t* 414 W. 118
 Wood, J. M., Jr. *2c* 162 Cleveland, Bklyn.
 Wood, T. C. *1s* c/o H. K. Wood,
 Graham Court, Seventh ave.
 and 116
 Wood, W. G. *4m* 61 E. 25
 Wood, W. L. *c* 38 E. 76
 Woodard, A. S. *pl* Drew Theol.
 Sem., Madison, N. J.
 Woodbury, W. B. *2c* Hartley
 Woodhull, M. *1b* 501 W. 120
 Woodhull, M. *ph* 526 W. 114
 Woodman, S. P. *3b* 478 W. 159
 Woodrooffe, R. W. *pl* 49 W. 20
 Woodruff, M. *4t* 344 Gregory
 ave., Passaic, N. J.
 Woods, E. B. *3m* 118 W. 64
 Woods, M. *3t* 474 State, Bklyn
 Woods, T. H., Jr. *3m*
 46 So. Elliott pl., Bklyn.
 Woodward, S. J. *grt* 1230 Amsterdam ave.
 Wooldridge, J. C. *4m* 144 W. 65
 Woolsey, C. B. *2b*
 Woolston, F. *3t* 94 Lawrence
 Woolston, H. B. *pl* 94 Lawrence
 Englewood, N. J.
 Wooster, B. C. *t* Hackensack,
 N. J.
 Wormser, I. M. *3c* 19 W. 91
 Worzel, H. H. *4c* 429 Fourth ave., Bklyn.
 Woticky, C. *2s* 445 E. 87
 Wrenn, H. H. *fa*
 Wright, A. C. *4t* 1230 Amsterdam ave.
 Wright, F. S. *4m* 1 Mt. Morris Park West
 Wronker, B. M. *4c* 261 W. 127
 Wuppermann, C. S. *3c* 309 W. 100
 Wyatt, C. B. *3l* 28 E. 30
 Wyckoff, H. E. *4t* 500 W. 124
 Wyeth, F. *1b* 19 W. 35
 Wylie, J. D. *1b* 10 W. 96
 Yaggy, S. E. *ph* 1064 Madison ave.
 Yale, D. I. *3b* 1230 Amsterdam ave.
 Yance, E. A. *3t* 520 W. 123
 Yancey, G. W. *3l* Hartley
 Yates, M. H. *2b* 208 W. 103
 Yatsu, N. *p* 501 W. 123
 Yergason, R. M. *1m* 328 W. 56
 Yerington, H. H. *2m* 118 W. 64
 Yonge, J. E. D. *l*
 York, H. H. *p* 211 W. 108
 Young, A. B. *4s* Livingston
 Young, A. S. *p* 500 W. 123
 Young, A. W. *3b* 1230 Amsterdam ave.
 Young, E. D. *3t* 607 Lexington ave.
 Young, E. V. *2s* 136 State,
 Bklyn.
 Young, J. E. L. (Mrs.) *4b* 529 W. 123
 Young, J. J. *2s* 280 Corona ave.,
 Corona, N. Y.
 Young, J. M. *2b* 336 Fernmore,
 Bklyn.
 Young, L. J. *2c* 429 W. 117
 Young, M. *4t* 515 W. 111
 Young, T. B. *pl* Madison, N. J.
 Younger, G. A. *2l* Stapleton, N. Y.
 Youngs, H. *1m*
 Zabriskie, E. C. *grt* 52 W. 93
 Zabriskie, G. E. *2s* 201 Broad
 Zangler, E. C. *1b* Croton, N. Y.
 Zehr, E. J. (Mrs.) *fa* 111 Kimball's rd., Bklyn.
 Zeitlin, J. *ph* 2101 Eighth ave.
 Zelaya, A. *2m* 109 W. 77
 Zimmer, F. E. *1s* West Hoboken, N. J.
 Zimmermann, H. B. *1m* 102 W. 69
 Zink, A. *fa* 108 Beach ave.
 Zinsler, J. J. *3l* 16 W. 117
 Zons, F. W. *3c* Long Island City, N. Y.
 Zumbro, W. M. *t*

SUMMARY

OFFICERS

Professors.....	130	
Adjunct Professors.....	53	
Clinical Professors and Lecturers.....	17	
Instructors.....	83	
Demonstrators.....	11	
Assistant Demonstrators.....	3	
Tutors.....	41	
Curators.....	2	
Lecturers.....	34	
Assistants.....	48	
Clinical Assistants.....	67	
		<hr/>
UNIVERSITY OFFICERS OF INSTRUCTION.....	489	
OTHER INSTRUCTORS IN TEACHERS COLLEGE.....	43	
OTHER INSTRUCTORS IN COLLEGE OF PHARMACY..	5	
		<hr/>
	48	
		<hr/>
	537	
UNIVERSITY OFFICERS OF ADMINISTRATION.....	18	
OTHER OFFICERS OF ADMINISTRATION, TEACHERS		
COLLEGE.....	6	
		<hr/>
	24	
EMERITUS OFFICERS.....	13	
		<hr/>
TOTAL.....	574	
HORACE MANN SCHOOL and SPEYER SCHOOL (<i>not</i>		
<i>included above</i>).....	71	

STUDENTS

COLUMBIA COLLEGE:

Senior class.....	113	
Junior ".....	112	
Sophomore ".....	130	
Freshman ".....	157	
Unclassified candidates for a degree.....	28	
Irregular students.....	17	
		<hr/>
	557	
		<hr/>
Carried forward.....	557	

Brought forward.....	557
The School of LAW:	
Third-year class.....	92
Second-year ".....	107
First-year ".....	70
Unclassified candidates for a degree.....	5
Irregular students.....	3
	<hr/> 277
The School of MEDICINE:	
Fourth-year class.....	152
Third-year ".....	100
Second-year ".....	83
First-year ".....	79
Irregular students.....	10
	<hr/> 424
The Schools of APPLIED SCIENCE:	
Fourth-year class.....	94
Third-year ".....	112
Second-year ".....	198
First-year ".....	140
Unclassified candidates for a degree.....	11
Irregular students.....	11
	<hr/> 566
FINE ARTS:	
Architecture.....	107
Music.....	32
	<hr/> 139
The Graduate Faculties of POLITICAL SCIENCE, PHILOSOPHY, and PURE SCIENCE.....	804
	<hr/>
TOTAL.....	2767
BARNARD COLLEGE.....	371
TEACHERS COLLEGE.....	792
COLLEGE OF PHARMACY	
(Not included in Directory).....	353
	<hr/>
TOTAL.....	4283
Deduct Double Registration ¹	266
	<hr/>
NET TOTAL OF RESIDENT STUDENTS..	4017
Summer Session Students, 1905.....	1018
Deduct Double Registration ²	280
	<hr/>
GRAND TOTAL OF RESIDENT STUDENTS	4755
Students in extension courses.....	964
November 7, 1905.	

¹ Candidates for the higher degrees with Education as their major subject registered at Teachers College and in the Faculty of Philosophy, and Columbia and Barnard students registered for a diploma in Teachers College.

² Students who returned for work during the academic year.

ACADEMIC CALENDAR

- 1905—Sept. 27—Wednesday, First half-year, 152d year, begins.
 Registration ceases for students matriculating for
 the first time. Later applications received only
 upon payment of an additional fee of \$5.
- Oct. 17—Tuesday, Stated meeting of University Council.
- Nov. 7—Tuesday, Election Day, holiday.
- Nov. 30—Thursday,
 to
- Dec. 2—Saturday, inclusive, Thanksgiving holidays.
- Dec. 19—Tuesday, Stated meeting of University Council.
- Dec. 23—Saturday,
 to
- 1906—Jan. 6—Saturday, inclusive, Christmas holidays.
- Jan. 15—Monday, Last day for filing applications for mid-
 year entrance examinations.
- Jan. 22—Monday, Mid-year entrance examinations begin.
- Jan. 24—Wednesday, Mid-year examinations in all schools
 except Medicine begin.
- Feb. 3—Saturday, First half-year ends.
- Feb. 5—Monday, Second half-year begins.
- Feb. 7—Wednesday, Registration ceases for students entering
 the second half-year. Later applications received
 only upon payment of an additional fee of \$5.
- Feb. 20—Tuesday, Stated meeting of University Council.
- Feb. 22—Thursday, Washington's Birthday, holiday.
- Mar. 1—Thursday, Last day for filing applications for Uni-
 versity Fellowships.
- April 2—Monday, Last day for filing applications for examina-
 tion for higher degrees in 1905-06.
- April 12—Thursday,
 to
- April 16—Monday, inclusive, Easter holidays for students in
 such schools as may be designated by the Univer-
 sity Council.
- April 17—Tuesday, Stated meeting of University Council.
- May 1—Tuesday, Last day for filing applications for Univer-
 sity Scholarships, and for presenting essays for the
 degree of Master of Arts.

- May 15—Tuesday, Stated meeting of University Council.
May 23—Wednesday, Final examinations begin.
May 30—Wednesday, Memorial Day, holiday.
June 10—Sunday, Baccalaureate service.
June 11—Monday, Class Day.
June 13—Wednesday, Commencement Day.
July 5—Thursday, Seventh Summer Session opens.
Aug. 16—Thursday, Seventh Summer Session closes.
Sept. 1—Saturday, Last day for filing lists of elective courses
in Columbia College and Barnard College.
Sept. 10—Monday, Last day for filing applications for September entrance examinations.
Sept. 17—Monday, Entrance examinations, and examinations
for deficient and debarred students begin.
Sept. 19—Wednesday, Registration begins.
Sept. 25—Tuesday, Registration ceases for students previously
matriculated. Later applications received only
upon payment of an additional fee of \$5.
Sept. 26—Wednesday, First half-year, 153d year, begins.
Registration ceases for students matriculating for
the first time. Later applications received only
upon payment of an additional fee of \$5.
Commencement Day falls on the Wednesday nearest
June 11, and the academic year opens 37 weeks
before Commencement Day.

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